ANNEX I

SUMMARY OF PRODUCT CHARACTERISTICS
This medicinal product is subject to additional monitoring. This will allow quick identification of new safety information. Healthcare professionals are asked to report any suspected adverse reactions. See section 4.8 for how to report adverse reactions.

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 15 mg prolonged-release tablets
RINVOQ 30 mg prolonged-release tablets
RINVOQ 45 mg prolonged-release tablets

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

RINVOQ 15 mg prolonged-release tablets
Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg of upadacitinib.

RINVOQ 30 mg prolonged-release tablets
Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 30 mg of upadacitinib.

RINVOQ 45 mg prolonged-release tablets
Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 45 mg of upadacitinib.

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Prolonged-release tablet

RINVOQ 15 mg prolonged-release tablets
Purple 14 x 8 mm, oblong biconvex prolonged-release tablets imprinted on one side with ‘a15’.

RINVOQ 30 mg prolonged-release tablets
Red 14 x 8 mm, oblong biconvex prolonged-release tablets imprinted on one side with ‘a30’.

RINVOQ 45 mg prolonged-release tablets
Yellow to mottled yellow 14 x 8 mm, oblong biconvex prolonged-release tablets imprinted on one side with ‘a45’.

4. CLINICAL PARTICULARS

4.1 Therapeutic indications

Rheumatoid arthritis

RINVOQ is indicated for the treatment of moderate to severe active rheumatoid arthritis in adult patients who have responded inadequately to, or who are intolerant to one or more disease-modifying anti-rheumatic drugs (DMARDs). RINVOQ may be used as monotherapy or in combination with methotrexate.
Psoriatic arthritis

RINVOQ is indicated for the treatment of active psoriatic arthritis in adult patients who have responded inadequately to, or who are intolerant to one or more DMARDs. RINVOQ may be used as monotherapy or in combination with methotrexate.

Axial spondyloarthritis

Non-radiographic axial spondyloarthritis (nr-axSpA)

RINVOQ is indicated for the treatment of active non-radiographic axial spondyloarthritis in adult patients with objective signs of inflammation as indicated by elevated C-reactive protein (CRP) and/or magnetic resonance imaging (MRI), who have responded inadequately to nonsteroidal anti-inflammatory drugs (NSAIDs).

Ankylosing spondylitis (AS, radiographic axial spondyloarthritis)

RINVOQ is indicated for the treatment of active ankylosing spondylitis in adult patients who have responded inadequately to conventional therapy.

Atopic dermatitis

RINVOQ is indicated for the treatment of moderate to severe atopic dermatitis in adults and adolescents 12 years and older who are candidates for systemic therapy.

Ulcerative colitis

RINVOQ is indicated for the treatment of adult patients with moderately to severely active ulcerative colitis who have had an inadequate response, lost response or were intolerant to either conventional therapy or a biologic agent.

Crohn’s disease

RINVOQ is indicated for the treatment of adult patients with moderately to severely active Crohn’s disease who have had an inadequate response, lost response or were intolerant to either conventional therapy or a biologic agent.

4.2 Posology and method of administration

Treatment with upadacitinib should be initiated and supervised by physicians experienced in the diagnosis and treatment of conditions for which upadacitinib is indicated.

Posology

Rheumatoid arthritis, psoriatic arthritis and axial spondyloarthritis

The recommended dose of upadacitinib is 15 mg once daily.

Consideration should be given to discontinuing treatment in patients with axial spondyloarthritis who have shown no clinical response after 16 weeks of treatment. Some patients with initial partial response may subsequently improve with continued treatment beyond 16 weeks.
Atopic dermatitis

Adults

The recommended dose of upadacitinib is 15 mg or 30 mg once daily based on individual patient presentation.

- A dose of 15 mg is recommended for patients at higher risk of venous thromboembolism (VTE), major adverse cardiovascular events (MACE) and malignancy (see section 4.4).
- A dose of 30 mg once daily may be appropriate for patients with high disease burden who are not at higher risk of VTE, MACE and malignancy (see section 4.4) or patients with an inadequate response to 15 mg once daily.
- The lowest effective dose to maintain response should be used.

For patients 65 years of age and older, the recommended dose is 15 mg once daily (see section 4.4).

Adolescents (from 12 to 17 years of age)

The recommended dose of upadacitinib is 15 mg once daily for adolescents weighing at least 30 kg.

Concomitant topical therapies

Upadacitinib can be used with or without topical corticosteroids. Topical calcineurin inhibitors may be used for sensitive areas such as the face, neck, and intertriginous and genital areas.

Consideration should be given to discontinuing upadacitinib treatment in any patient who shows no evidence of therapeutic benefit after 12 weeks of treatment.

Ulcerative colitis

Induction

The recommended induction dose of upadacitinib is 45 mg once daily for 8 weeks. For patients who do not achieve adequate therapeutic benefit by week 8, upadacitinib 45 mg once daily may be continued for an additional 8 weeks (see sections 4.8 and 5.1). Upadacitinib should be discontinued in any patient who shows no evidence of therapeutic benefit by week 16.

Maintenance

The recommended maintenance dose of upadacitinib is 15 mg or 30 mg once daily based on individual patient presentation:

- A dose of 15 mg is recommended for patients at higher risk of VTE, MACE and malignancy (see section 4.4).
- A dose of 30 mg once daily may be appropriate for some patients, such as those with high disease burden or requiring 16-week induction treatment who are not at higher risk of VTE, MACE and malignancy (see section 4.4) or who do not show adequate therapeutic benefit to 15 mg once daily.
- The lowest effective dose to maintain response should be used.

For patients 65 years of age and older, the recommended dose is 15 mg once daily (see section 4.4).

In patients who have responded to treatment with upadacitinib, corticosteroids may be reduced and/or discontinued in accordance with standard of care.

Crohn’s disease

Induction

The recommended induction dose of upadacitinib is 45 mg once daily for 12 weeks. For patients who have not achieved adequate therapeutic benefit after the initial 12-week induction, prolonged induction for an additional 12 weeks with a dose of 30 mg once daily may be considered. For these patients,
upadacitinib should be discontinued if there is no evidence of therapeutic benefit after 24 weeks of treatment.

Maintenance
The recommended maintenance dose of upadacitinib is 15 mg or 30 mg once daily based on individual patient presentation:

- A dose of 15 mg is recommended for patients at higher risk of VTE, MACE and malignancy (see section 4.4).
- A dose of 30 mg once daily may be appropriate for patients with high disease burden who are not at higher risk of VTE, MACE and malignancy (see section 4.4) or who do not show adequate therapeutic benefit to 15 mg once daily.
- The lowest effective dose to maintain response should be used.

For patients 65 years of age and older, the recommended maintenance dose is 15 mg once daily (see section 4.4).

In patients who have responded to treatment with upadacitinib, corticosteroids may be reduced and/or discontinued in accordance with standard of care.

Interactions
For patients with ulcerative colitis and Crohn’s disease receiving strong inhibitors of cytochrome P450 (CYP) 3A4 (e.g., ketoconazole, clarithromycin), the recommended induction dose is 30 mg once daily and the recommended maintenance dose is 15 mg once daily (see section 4.5).

Dose initiation
Treatment should not be initiated in patients with an absolute lymphocyte count (ALC) that is < 0.5 x 10^9 cells/L, an absolute neutrophil count (ANC) that is < 1 x 10^9 cells/L or who have haemoglobin (Hb) levels that are < 8 g/dL (see sections 4.4 and 4.8).

Dose interruption
Treatment should be interrupted if a patient develops a serious infection until the infection is controlled.

Interruption of dosing may be needed for management of laboratory abnormalities as described in Table 1.

Table 1 Laboratory measures and monitoring guidance

<table>
<thead>
<tr>
<th>Laboratory measure</th>
<th>Action</th>
<th>Monitoring guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absolute Neutrophil Count (ANC)</td>
<td>Treatment should be interrupted if ANC is &lt; 1 x 10^9 cells/L and may be restarted once ANC returns above this value</td>
<td>Evaluate at baseline and then no later than 12 weeks after initiation of treatment. Thereafter evaluate according to individual patient management.</td>
</tr>
<tr>
<td>Absolute Lymphocyte Count (ALC)</td>
<td>Treatment should be interrupted if ALC is &lt;0.5 x 10^9 cells/L and may be restarted once ALC returns above this value</td>
<td></td>
</tr>
</tbody>
</table>
Haemoglobin (Hb)  Treatment should be interrupted if Hb is < 8 g/dL and may be restarted once Hb returns above this value

Hepatic transaminases  Treatment should be temporarily interrupted if drug-induced liver injury is suspected

Lipids  Patients should be managed according to international clinical guidelines for hyperlipidaemia

**Special populations**

**Elderly**

*Rheumatoid arthritis, psoriatic arthritis, and axial spondyloarthritis*

There are limited data in patients 75 years of age and older.

*Atopic dermatitis*

For atopic dermatitis, doses higher than 15 mg once daily are not recommended in patients 65 years of age and older (see section 4.8).

*Ulcerative colitis and Crohn’s disease*

For ulcerative colitis and Crohn’s disease, doses higher than 15 mg once daily for maintenance therapy are not recommended in patients 65 years of age and older (see section 4.8). The safety and efficacy of upadacitinib in patients 75 years of age and older have not yet been established.

**Renal impairment**

No dose adjustment is required in patients with mild or moderate renal impairment. There are limited data on the use of upadacitinib in subjects with severe renal impairment (see section 5.2). Upadacitinib should be used with caution in patients with severe renal impairment as described in Table 2. The use of upadacitinib has not been studied in subjects with end stage renal disease and is therefore not recommended for use in these patients.

**Table 2 Recommended dose for severe renal impairment**

<table>
<thead>
<tr>
<th>Therapeutic indication</th>
<th>Recommended once daily dose</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rheumatoid arthritis, psoriatic arthritis, axial spondyloarthritis, atopic dermatitis</td>
<td>15 mg</td>
</tr>
<tr>
<td>Ulcerative colitis, Crohn’s disease</td>
<td>Induction: 30 mg</td>
</tr>
<tr>
<td></td>
<td>Maintenance: 15 mg</td>
</tr>
</tbody>
</table>

*a*estimated glomerular filtration rate (eGFR) 15 to < 30 ml/min/1.73m²
Hepatic impairment

No dose adjustment is required in patients with mild (Child-Pugh A) or moderate (Child-Pugh B) hepatic impairment (see section 5.2). Upadacitinib should not be used in patients with severe (Child-Pugh C) hepatic impairment (see section 4.3).

Paediatric population

The safety and efficacy of RINVOQ in children with atopic dermatitis below the age of 12 years have not been established. No data are available. No clinical exposure data are available in adolescents < 40 kg (see section 5.2).

The safety and efficacy of RINVOQ in children and adolescents with rheumatoid arthritis, psoriatic arthritis, axial spondyloarthritis, ulcerative colitis, and Crohn’s disease, aged 0 to less than 18 years have not yet been established. No data are available.

Method of administration

RINVOQ is to be taken orally once daily with or without food and may be taken at any time of the day. Tablets should be swallowed whole and should not be split, crushed, or chewed in order to ensure the entire dose is delivered correctly.

4.3 Contraindications

- Hypersensitivity to the active substance or to any of the excipients listed in section 6.1.
- Active tuberculosis (TB) or active serious infections (see section 4.4).
- Severe hepatic impairment (see section 4.4).
- Pregnancy (see section 4.6).

4.4 Special warnings and precautions for use

Upadacitinib should only be used if no suitable treatment alternatives are available in patients:
- 65 years of age and older;
- patients with history of atherosclerotic cardiovascular disease or other cardiovascular risk factors (such as current or past long-time smokers);
- patients with malignancy risk factors (e.g. current malignancy or history of malignancy).

Use in patients 65 years of age and older

Considering the increased risk of MACE, malignancies, serious infections, and all-cause mortality in patients 65 years of age and older, as observed in a large randomised study of tofacitinib (another Janus Kinase (JAK) inhibitor), upadacitinib should only be used in these patients if no suitable treatment alternatives are available.

In patients 65 years of age and older, there is an increased risk of adverse reactions with upadacitinib 30 mg once daily. Consequently, the recommended dose for long-term use in this patient population is 15 mg once daily (see sections 4.2 and 4.8).

Immunosuppressive medicinal products

Combination with other potent immunosuppressants such as azathioprine, 6-mercaptopurine, ciclosporin, tacrolimus, and biologic DMARDs or other JAK inhibitors has not been evaluated in clinical studies and is not recommended as a risk of additive immunosuppression cannot be excluded.
Serious infections

Serious and sometimes fatal infections have been reported in patients receiving upadacitinib. The most frequent serious infections reported with upadacitinib included pneumonia and cellulitis (see section 4.8). Cases of bacterial meningitis and sepsis have been reported in patients receiving upadacitinib. Among opportunistic infections, tuberculosis, multidermatomal herpes zoster, oral/oesophageal candidiasis, and cryptococcosis were reported with upadacitinib.

Upadacitinib should not be initiated in patients with an active, serious infection, including localised infections.

Consider the risks and benefits of treatment prior to initiating upadacitinib in patients:

- with chronic or recurrent infection
- who have been exposed to tuberculosis
- with a history of a serious or an opportunistic infection
- who have resided or travelled in areas of endemic tuberculosis or endemic mycoses; or
- with underlying conditions that may predispose them to infection.

Patients should be closely monitored for the development of signs and symptoms of infection during and after treatment with upadacitinib. Upadacitinib therapy should be interrupted if a patient develops a serious or opportunistic infection. A patient who develops a new infection during treatment with upadacitinib should undergo prompt and complete diagnostic testing appropriate for an immunocompromised patient; appropriate antimicrobial therapy should be initiated, the patient should be closely monitored, and upadacitinib therapy should be interrupted if the patient is not responding to antimicrobial therapy. Upadacitinib therapy may be resumed once the infection is controlled.

A higher rate of serious infections was observed with upadacitinib 30 mg compared to upadacitinib 15 mg.

As there is a higher incidence of infections in the elderly and in the diabetic populations in general, caution should be used when treating the elderly and patients with diabetes. In patients 65 years of age and older, upadacitinib should only be used if no suitable treatment alternatives are available (see section 4.2).

Tuberculosis

Patients should be screened for tuberculosis (TB) before starting upadacitinib therapy. Upadacitinib should not be given to patients with active TB (see section 4.3). Anti-TB therapy should be considered prior to initiation of upadacitinib in patients with previously untreated latent TB or in patients with risk factors for TB infection.

Consultation with a physician with expertise in the treatment of TB is recommended to aid in the decision about whether initiating anti-TB therapy is appropriate for an individual patient.

Patients should be monitored for the development of signs and symptoms of TB, including patients who tested negative for latent TB infection prior to initiating therapy.

Viral reactivation

Viral reactivation, including cases of herpes virus reactivation (e.g., herpes zoster), was reported in clinical studies (see section 4.8). The risk of herpes zoster appears to be higher in Japanese patients treated with upadacitinib. If a patient develops herpes zoster, interruption of upadacitinib therapy should be considered until the episode resolves.
Screening for viral hepatitis and monitoring for reactivation should be performed before starting and during therapy with upadacitinib. Patients who were positive for hepatitis C antibody and hepatitis C virus RNA were excluded from clinical studies. Patients who were positive for hepatitis B surface antigen or hepatitis B virus DNA were excluded from clinical studies. If hepatitis B virus DNA is detected while receiving upadacitinib, a liver specialist should be consulted.

**Vaccination**

No data are available on the response to vaccination with live vaccines in patients receiving upadacitinib. Use of live, attenuated vaccines during or immediately prior to upadacitinib therapy is not recommended. Prior to initiating upadacitinib, it is recommended that patients be brought up to date with all immunisations, including prophylactic zoster vaccinations, in agreement with current immunisation guidelines. (see section 5.1 for data on inactivated pneumococcal polysaccharide conjugate vaccine (13-valent, adsorbed) and concomitant use with upadacitinib).

**Malignancy**

Lymphoma and other malignancies have been reported in patients receiving JAK inhibitors, including upadacitinib.

In a large randomised active-controlled study of tofacitinib (another JAK inhibitor) in rheumatoid arthritis patients 50 years and older with at least one additional cardiovascular risk factor, a higher rate of malignancies, particularly lung cancer, lymphoma and non-melanoma skin cancer (NMSC) was observed with tofacitinib compared to tumour necrosis factor (TNF) inhibitors.

A higher rate of malignancies was observed with upadacitinib 30 mg compared to upadacitinib 15 mg.

In patients 65 years of age and older, patients who are current or past long-time smokers, or with other malignancy risk factors (e.g., current malignancy or history of malignancy) upadacitinib should only be used if no suitable treatment alternatives are available.

**Non-melanoma skin cancer**

NMSCs have been reported in patients treated with upadacitinib (see section 4.8). A higher rate of NMSC was observed with upadacitinib 30 mg compared to upadacitinib 15 mg. Periodic skin examination is recommended for all patients, particularly those with risk factors for skin cancer.

**Haematological abnormalities**

Absolute Neutrophil Count (ANC) < 1 x 10^9 cells/L, Absolute Lymphocyte Count (ALC) < 0.5 x 10^9 cells/L and haemoglobin < 8 g/dL were reported in ≤1 % of patients in clinical trials (see section 4.8). Treatment should not be initiated, or should be temporarily interrupted, in patients with an ANC < 1 x 10^9 cells/L, ALC < 0.5 x 10^9 cells/L or haemoglobin < 8 g/dL observed during routine patient management (see section 4.2).

**Gastrointestinal perforations**

Events of diverticulitis and gastrointestinal perforations have been reported in clinical trials and from post-marketing sources (see section 4.8).

Upadacitinib should be used with caution in patients who may be at risk for gastrointestinal perforation (e.g., patients with diverticular disease, a history of diverticulitis, or who are taking nonsteroidal antiinflammatory drugs (NSAIDs), corticosteroids, or opioids). Patients with active Crohn’s disease are at increased risk for developing intestinal perforation. Patients presenting with new onset abdominal signs and symptoms should be evaluated promptly for early identification of diverticulitis or gastrointestinal perforation.
Major adverse cardiovascular events

Events of MACE were observed in clinical studies of upadacitinib.

In a large randomised active-controlled study of tofacitinib (another JAK inhibitor) in rheumatoid arthritis patients 50 years and older with at least one additional cardiovascular risk factor, a higher rate of MACE, defined as cardiovascular death, non-fatal myocardial infarction (MI) and non-fatal stroke, was observed with tofacitinib compared to TNF inhibitors.

Therefore, in patients 65 years of age and older, patients who are current or past long-time smokers, and patients with history of atherosclerotic cardiovascular disease or other cardiovascular risk factors, upadacitinib should only be used if no suitable treatment alternatives are available.

Lipids

Treatment with upadacitinib was associated with dose-dependent increases in lipid parameters, including total cholesterol, low-density lipoprotein (LDL) cholesterol, and high-density lipoprotein (HDL) cholesterol (see section 4.8). Elevations in LDL cholesterol decreased to pre-treatment levels in response to statin therapy, although evidence is limited. The effect of these lipid parameter elevations on cardiovascular morbidity and mortality has not been determined (see section 4.2 for monitoring guidance).

Hepatic transaminase elevations

Treatment with upadacitinib was associated with an increased incidence of liver enzyme elevation compared to placebo.

Evaluate at baseline and thereafter according to routine patient management. Prompt investigation of the cause of liver enzyme elevation is recommended to identify potential cases of drug-induced liver injury.

If increases in ALT or AST are observed during routine patient management and drug-induced liver injury is suspected, upadacitinib therapy should be interrupted until this diagnosis is excluded.

Venous thromboembolism

Events of deep venous thrombosis (DVT) and pulmonary embolism (PE) were observed in clinical trials for upadacitinib.

In a large randomised active-controlled study of tofacitinib (another JAK inhibitor) in rheumatoid arthritis patients 50 years and older with at least one additional cardiovascular risk factor, a dose-dependent higher rate of VTE including DVT and PE was observed with tofacitinib compared to TNF inhibitors.

In patients with cardiovascular or malignancy risk factors (see also section 4.4 “Major adverse cardiovascular events” and “Malignancy”) upadacitinib should only be used if no suitable treatment alternatives are available.

In patients with known VTE risk factors other than cardiovascular or malignancy risk factors, upadacitinib should be used with caution. VTE risk factors other than cardiovascular or malignancy risk factors include previous VTE, patients undergoing major surgery, immobilisation, use of combined hormonal contraceptives or hormone replacement therapy, and inherited coagulation disorder. Patients should be re-evaluated periodically during upadacitinib treatment to assess for
changes in VTE risk. Promptly evaluate patients with signs and symptoms of VTE and discontinue upadacitinib in patients with suspected VTE, regardless of dose.

Hypersensitivity reactions

Serious hypersensitivity reactions such as anaphylaxis and angioedema have been reported in patients receiving upadacitinib. If a clinically significant hypersensitivity reaction occurs, discontinue upadacitinib and institute appropriate therapy (see sections 4.3 and 4.8).

4.5 Interaction with other medicinal products and other forms of interaction

Potential for other medicinal products to affect the pharmacokinetics of upadacitinib

Upadacitinib is metabolised mainly by CYP3A4. Therefore, upadacitinib plasma exposures can be affected by medicinal products that strongly inhibit or induce CYP3A4.

Coadministration with CYP3A4 inhibitors

Upadacitinib exposure is increased when co-administered with strong CYP3A4 inhibitors (such as ketoconazole, itraconazole, posaconazole, voriconazole, clarithromycin, and grapefruit). In a clinical study, coadministration of upadacitinib with ketoconazole resulted in 70% and 75% increases in upadacitinib $C_{\text{max}}$ and AUC, respectively. Upadacitinib 15 mg once daily should be used with caution in patients receiving chronic treatment with strong CYP3A4 inhibitors. Upadacitinib 30 mg once daily dose is not recommended for patients with atopic dermatitis receiving chronic treatment with strong CYP3A4 inhibitors. For patients with ulcerative colitis or Crohn’s disease using strong CYP3A4 inhibitors, the recommended induction dose is 30 mg once daily and the recommended maintenance dose is 15 mg once daily (see section 4.2). Alternatives to strong CYP3A4 inhibitor medications should be considered when used in the long-term. Food or drink containing grapefruit should be avoided during treatment with upadacitinib.

Coadministration with CYP3A4 inducers

Upadacitinib exposure is decreased when co-administered with strong CYP3A4 inducers (such as rifampin and phenytoin), which may lead to reduced therapeutic effect of upadacitinib. In a clinical study, co-administration of upadacitinib after multiple doses of rifampicin (strong CYP3A inducer) resulted in approximately 50% and 60% decreases in upadacitinib $C_{\text{max}}$ and AUC, respectively. Patients should be monitored for changes in disease activity if upadacitinib is co-administered with strong CYP3A4 inducers.

Methotrexate and pH modifying medicinal products (e.g., antacids or proton pump inhibitors) have no effect on upadacitinib plasma exposures.

Potential for upadacitinib to affect the pharmacokinetics of other medicinal products

Administration of multiple 30 mg or 45 mg once daily doses of upadacitinib to healthy subjects had a limited effect on midazolam (sensitive substrate for CYP3A) plasma exposures (24-26% decrease in midazolam AUC and $C_{\text{max}}$), indicating that upadacitinib 30 mg or 45 mg once daily may have a weak induction effect on CYP3A. In a clinical study, rosuvastatin and atorvastatin AUC were decreased by 33% and 23%, respectively, and rosuvastatin $C_{\text{max}}$ was decreased by 23% following the administration of multiple 30 mg once daily doses of upadacitinib to healthy subjects. Upadacitinib had no relevant effect on atorvastatin $C_{\text{max}}$ or on plasma exposures of ortho-hydroxyatorvastatin (major active metabolite for atorvastatin). Administration of multiple 45 mg once daily doses of upadacitinib to healthy subjects led to a limited increase in AUC and $C_{\text{max}}$ of dextromethorphan (sensitive CYP2D6 substrate) by 30% and 35%, respectively, indicating that upadacitinib 45 mg once daily has a weak inhibitory effect on CYP2D6. No dose adjustment is recommended for CYP3A substrates, CYP2D6 substrates, rosuvastatin or atorvastatin when coadministered with upadacitinib.
Upadacitinib has no relevant effects on plasma exposures of ethinylestradiol, levonorgestrel, methotrexate, or medicinal products that are substrates for metabolism by CYP1A2, CYP2B6, CYP2C9, or CYP2C19.

4.6 Fertility, pregnancy and lactation

Women of childbearing potential

Women of childbearing potential should be advised to use effective contraception during treatment and for 4 weeks following the final dose of upadacitinib. Female paediatric patients and/or their parents/caregivers should be informed about the need to contact the treating physician once the patient experiences menarche while taking upadacitinib.

Pregnancy

There are no or limited data on the use of upadacitinib in pregnant women. Studies in animals have shown reproductive toxicity (see section 5.3). Upadacitinib was teratogenic in rats and rabbits with effects in bones in rat foetuses and in the heart in rabbit foetuses when exposed in utero.

Upadacitinib is contraindicated during pregnancy (see section 4.3).

If a patient becomes pregnant while taking upadacitinib the parents should be informed of the potential risk to the foetus.

Breast-feeding

It is unknown whether upadacitinib/metabolites are excreted in human milk. Available pharmacodynamic/toxicological data in animals have shown excretion of upadacitinib in milk (see section 5.3).

A risk to newborns/infants cannot be excluded.

Upadacitinib should not be used during breast-feeding. A decision must be made whether to discontinue breast-feeding or to discontinue upadacitinib therapy taking into account the benefit of breast-feeding for the child and the benefit of therapy for the woman.

Fertility

The effect of upadacitinib on human fertility has not been evaluated. Animal studies do not indicate effects with respect to fertility (see section 5.3).

4.7 Effects on ability to drive and use machines

Upadacitinib has no or negligible influence on the ability to drive and use machines.

4.8 Undesirable effects

Summary of the safety profile

In the placebo-controlled clinical trials for rheumatoid arthritis, psoriatic arthritis, and axial spondyloarthritis, the most commonly reported adverse reactions (≥2% of patients in at least one of the indications with the highest rate among indications presented) with upadacitinib 15 mg were upper respiratory tract infections (19.5%), blood creatine phosphokinase (CPK) increased (8.6%), alanine transaminase increased (4.3%), bronchitis (3.9%), nausea (3.5%), neutropaenia (2.8%), cough (2.2%), aspartate transaminase increased (2.2%), and hypercholesterolaemia (2.2%).
In the placebo-controlled atopic dermatitis clinical trials, the most commonly reported adverse reactions (≥2% of patients) with upadacitinib 15 mg or 30 mg were upper respiratory tract infection (25.4%), acne (15.1%), herpes simplex (8.4%), headache (6.3%), blood CPK increased (5.5%), cough (3.2%), folliculitis (3.2%), abdominal pain (2.9%), nausea (2.7%), neutropaenia (2.3%), pyrexia (2.1%), and influenza (2.1%).

In the placebo-controlled ulcerative colitis and Crohn’s disease induction and maintenance clinical trials, the most commonly reported adverse reactions (≥3% of patients) with upadacitinib 45 mg, 30 mg or 15 mg were upper respiratory tract infection (19.9%), pyrexia (8.7%), blood CPK increased (7.6%), anemia (7.4%), headache (6.6%), acne (6.3%), herpes zoster (6.1%), neutropaenia (6.0%), rash (5.2%), pneumonia (4.1%), hypercholesterolemia (4.0%), bronchitis (3.9%), aspartate transaminase increased (3.9%), fatigue (3.9%), folliculitis (3.6%), alanine transaminase increased (3.5%), herpes simplex (3.2%), and influenza (3.2%).

The most common serious adverse reactions were serious infections (see section 4.4).

The safety profile of upadacitinib with long-term treatment was generally similar to the safety profile during the placebo-controlled period across indications.

Tabulated list of adverse reactions

The following list of adverse reactions is based on experience from clinical studies. The frequency of adverse reactions listed below is defined using the following convention: very common (≥ 1/10); common (≥ 1/100 to < 1/10); uncommon (≥ 1/1 000 to < 1/100). The frequencies in Table 3 are based on the higher of the rates for adverse reactions reported with RINVOQ in clinical trials of rheumatologic disease (15 mg), atopic dermatitis (15 mg and 30 mg), ulcerative colitis (15 mg, 30 mg and 45 mg), or Crohn’s disease (15 mg, 30 mg, and 45 mg). When notable differences in frequency were observed between indications, these are presented in the footnotes below the table.

Table 3 Adverse reactions

<table>
<thead>
<tr>
<th>System Organ Class</th>
<th>Very common</th>
<th>Common</th>
<th>Uncommon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infections and infestations</td>
<td>Upper respiratory tract infections (URTI)</td>
<td>Bronchitis&lt;sup&gt;a,b&lt;/sup&gt; Herpes zoster&lt;sup&gt;a&lt;/sup&gt; Herpes simplex&lt;sup&gt;a&lt;/sup&gt; Folliculitis Influenza Urinary tract infection Pneumonia&lt;sup&gt;a,h&lt;/sup&gt;</td>
<td>Oral candidiasis Diverticulitis Sepsis</td>
</tr>
<tr>
<td>Neoplasms benign, malignant and unspecified (including cysts and polyps)</td>
<td></td>
<td>Non-melanoma skin cancer&lt;sup&gt;f&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td>Blood and lymphatic system disorders</td>
<td></td>
<td>Anaemia&lt;sup&gt;a&lt;/sup&gt; Neutropaenia&lt;sup&gt;a&lt;/sup&gt; Lymphopaenia</td>
<td></td>
</tr>
<tr>
<td>Immune system disorders</td>
<td>Urticaria&lt;sup&gt;c,g&lt;/sup&gt;</td>
<td></td>
<td>Serious hypersensitivity reactions&lt;sup&gt;a,e&lt;/sup&gt;</td>
</tr>
<tr>
<td>Metabolism and nutrition disorders</td>
<td>Hypercholesterolaemia&lt;sup&gt;a,b&lt;/sup&gt; Hyperlipidaemia&lt;sup&gt;a,b&lt;/sup&gt;</td>
<td></td>
<td>Hypertriglyceridaemia</td>
</tr>
<tr>
<td>Respiratory, thoracic and mediastinal disorders</td>
<td>Cough</td>
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</tbody>
</table>

13
<table>
<thead>
<tr>
<th>Gastrointestinal disorders</th>
<th>Abdominal pain(^a),(^d) Nausea</th>
<th>Gastrointestinal perforation(^i)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin and subcutaneous tissue disorders</td>
<td>Acne(^a),(^c),(^d),(^g)</td>
<td>Rash(^a)</td>
</tr>
<tr>
<td>General disorders and administration site conditions</td>
<td>Fatigue</td>
<td>Pyrexia</td>
</tr>
<tr>
<td>Investigations</td>
<td>Blood CPK increased</td>
<td>ALT increased(^b)</td>
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<tr>
<td></td>
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<td>AST increased(^b)</td>
</tr>
<tr>
<td></td>
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<td>Weight increased(^g)</td>
</tr>
<tr>
<td>Nervous system disorders</td>
<td>Headache(^a)</td>
<td></td>
</tr>
</tbody>
</table>

\(^a\) Presented as grouped term
\(^b\) In atopic dermatitis trials, the frequency of bronchitis, hypercholesterolaemia, hyperlipidaemia, ALT increased, and AST increased was uncommon.
\(^c\) In rheumatologic disease trials, the frequency was common for acne and uncommon for urticaria.
\(^d\) In ulcerative colitis trials, the frequency was common for acne; abdominal pain was less frequent for upadacitinib than for placebo.
\(^e\) Serious hypersensitivity reactions including anaphylactic reaction and angioedema
\(^f\) Most events reported as basal cell carcinoma and squamous cell carcinoma of skin
\(^g\) In Crohn’s disease, the frequency was common for acne, and uncommon for urticaria and weight increased.
\(^h\) Pneumonia was common in Crohn’s disease and uncommon across other indications.
\(^i\) Frequency is based on Crohn’s disease clinical trials.

Description of selected adverse reactions

**Rheumatoid arthritis**

**Infections**

In placebo-controlled clinical studies with background DMARDs, the frequency of infection over 12/14 weeks in the upadacitinib 15 mg group was 27.4% compared to 20.9% in the placebo group. In methotrexate (MTX)-controlled studies, the frequency of infection over 12/14 weeks in the upadacitinib 15 mg monotherapy group was 19.5% compared to 24.0% in the MTX group. The overall long-term rate of infections for the upadacitinib 15 mg group across all five Phase 3 clinical studies (2 630 patients) was 93.7 events per 100 patient-years.

In placebo-controlled clinical studies with background DMARDs, the frequency of serious infection over 12/14 weeks in the upadacitinib 15 mg group was 1.2% compared to 0.6% in the placebo group. In MTX-controlled studies, the frequency of serious infection over 12/14 weeks in the upadacitinib 15 mg monotherapy group was 0.6% compared to 0.4% in the MTX group. The overall long-term rate of serious infections for the upadacitinib 15 mg group across all five Phase 3 clinical studies was 3.8 events per 100 patient-years. The most common serious infection was pneumonia. The rate of serious infections remained stable with long-term exposure.

**Opportunistic infections (excluding tuberculosis)**

In placebo-controlled clinical studies with background DMARDs, the frequency of opportunistic infections over 12/14 weeks in the upadacitinib 15 mg group was 0.5% compared to 0.3% in the placebo group. In MTX-controlled studies, there were no cases of opportunistic infection over 12/14 weeks in the upadacitinib 15 mg monotherapy group and 0.2% in the MTX group. The overall long-
term rate of opportunistic infections for the upadacitinib 15 mg group across all five Phase 3 clinical studies was 0.6 events per 100 patient-years.

The long-term rate of herpes zoster for the upadacitinib 15 mg group across all five Phase 3 clinical studies was 3.7 events per 100 patient-years. Most of the herpes zoster events involved a single dermatome and were non-serious.

**Hepatic transaminase elevations**

In placebo-controlled studies with background DMARDs, for up to 12/14 weeks, alanine transaminase (ALT) and aspartate transaminase (AST) elevations ≥ 3 x upper limit of normal (ULN) in at least one measurement were observed in 2.1% and 1.5% of patients treated with upadacitinib 15 mg, compared to 1.5% and 0.7%, respectively, of patients treated with placebo. Most cases of hepatic transaminase elevations were asymptomatic and transient.

In MTX-controlled studies, for up to 12/14 weeks, ALT and AST elevations ≥ 3 x ULN in at least one measurement were observed in 0.8% and 0.4% of patients treated with upadacitinib 15 mg, compared to 1.9% and 0.9%, respectively, of patients treated with MTX.

The pattern and incidence of elevation in ALT/AST remained stable over time including in long-term extension studies.

**Lipid elevations**

Upadacitinib 15 mg treatment was associated with increases in lipid parameters including total cholesterol, triglycerides, LDL cholesterol and HDL cholesterol. There was no change in the LDL/HDL ratio. Elevations were observed at 2 to 4 weeks of treatment and remained stable with longer-term treatment. Among patients in the controlled studies with baseline values below the specified limits, the following frequencies of patients were observed to shift to above the specified limits on at least one occasion during 12/14 weeks (including patients who had an isolated elevated value):

- Total cholesterol ≥ 5.17 mmol/L (200 mg/dL): 62% vs. 31%, in the upadacitinib 15 mg and placebo groups, respectively
- LDL cholesterol ≥ 3.36 mmol/L (130 mg/dL): 42% vs. 19%, in the upadacitinib 15 mg and placebo groups, respectively
- HDL cholesterol ≥ 1.03 mmol/L (40 mg/dL): 89% vs. 61%, in the upadacitinib 15 mg and placebo groups, respectively
- Triglycerides ≥ 2.26 mmol/L (200 mg/dL): 25% vs. 15%, in the upadacitinib 15 mg and placebo groups, respectively

**Creatine phosphokinase**

In placebo-controlled studies with background DMARDs, for up to 12/14 weeks, increases in CPK values were observed. CPK elevations > 5 x upper limit of normal (ULN) were reported in 1.0% and 0.3% of patients over 12/14 weeks in the upadacitinib 15 mg and placebo groups, respectively. Most elevations > 5 x ULN were transient and did not require treatment discontinuation. Mean CPK values increased by 4 weeks with a mean increase of 60 U/L at 12 weeks and then remained stable at an increased value thereafter including with extended therapy.

**Neutropaenia**

In placebo-controlled studies with background DMARDs, for up to 12/14 weeks, decreases in neutrophil counts below 1 x 10⁹ cells/L in at least one measurement occurred in 1.1% and <0.1% of patients in the upadacitinib 15 mg and placebo groups, respectively. In clinical studies, treatment was interrupted in response to ANC < 1 x 10⁹ cells/L (see section 4.2). Mean neutrophil counts decreased
over 4 to 8 weeks. The decreases in neutrophil counts remained stable at a lower value than baseline over time including with extended therapy.

**Psoriatic arthritis**

Overall, the safety profile observed in patients with active psoriatic arthritis treated with upadacitinib 15 mg was consistent with the safety profile observed in patients with rheumatoid arthritis. A higher rate of serious infections (2.6 events per 100 patient-years and 1.3 events per 100 patient-years, respectively) and hepatic transaminase elevations (ALT elevations Grade 3 and higher rates 1.4% and 0.4%, respectively) was observed in patients treated with upadacitinib in combination with MTX therapy compared to patients treated with monotherapy.

**Axial spondyloarthritis**

Overall, the safety profile observed in patients with active axial spondyloarthritis treated with upadacitinib 15 mg was consistent with the safety profile observed in patients with rheumatoid arthritis. No new safety findings were identified.

**Atopic dermatitis**

**Infections**

In the placebo-controlled period of the clinical studies, the frequency of infection over 16 weeks in the upadacitinib 15 mg and 30 mg groups was 39% and 43% compared to 30% in the placebo group, respectively. The long-term rate of infections for the upadacitinib 15 mg and 30 mg groups was 98.5 and 109.6 events per 100 patient-years, respectively.

In placebo-controlled clinical studies, the frequency of serious infection over 16 weeks in the upadacitinib 15 mg and 30 mg groups was 0.8% and 0.4% compared to 0.6% in the placebo group, respectively. The long-term rate of serious infections for the upadacitinib 15 mg and 30 mg groups was 2.3 and 2.8 events per 100 patient-years, respectively.

**Opportunistic infections (excluding tuberculosis)**

In the placebo-controlled period of the clinical studies, all opportunistic infections (excluding TB and herpes zoster) reported were eczema *herpeticum*. The frequency of eczema *herpeticum* over 16 weeks in the upadacitinib 15 mg and 30 mg groups was 0.7% and 0.8% compared to 0.4% in the placebo group, respectively. The long-term rate of eczema *herpeticum* for the upadacitinib 15 mg and 30 mg groups was 1.6 and 1.8 events per 100 patient-years, respectively. One case of esophageal candidiasis was reported with upadacitinib 30 mg.

The long-term rate of herpes zoster for the upadacitinib 15 mg and 30 mg groups was 3.5 and 5.2 events per 100 patient-years, respectively. Most of the herpes zoster events involved a single dermatome and were non-serious.

**Laboratory abnormalities**

Dose-dependent changes in ALT increased and/or AST increased (≥ 3 x ULN), lipid parameters, CPK values (≥ 5 x ULN), and neutropaenia (ANC < 1 x 10⁹ cells/L) associated with upadacitinib treatment were similar to what was observed in the rheumatologic disease clinical studies.

Small increases in LDL cholesterol were observed after week 16 in atopic dermatitis studies.

**Ulcerative colitis**

The overall safety profile observed in patients with ulcerative colitis was generally consistent with that observed in patients with rheumatoid arthritis.
A higher rate of herpes zoster was observed with an induction treatment period of 16 weeks vs 8 weeks.

**Infections**

In the placebo-controlled induction studies, the frequency of infection over 8 weeks in the upadacitinib 45 mg group compared to the placebo group was 20.7% and 17.5%, respectively. In the placebo-controlled maintenance study, the frequency of infection over 52 weeks in the upadacitinib 15 mg and 30 mg groups was 38.4% and 40.6%, respectively, compared to 37.6% in the placebo group. The long-term rate of infections for upadacitinib 15 mg and 30 mg was 73.8 and 82.6 events per 100 patient-years, respectively.

In the placebo-controlled induction studies, the frequency of serious infection over 8 weeks in both the upadacitinib 45 mg group and the placebo group was 1.3%. No additional serious infections were observed over 8-week extended treatment with upadacitinib 45 mg. In the placebo-controlled maintenance study, the frequency of serious infection over 52 weeks in the upadacitinib 15 mg and 30 mg groups was 3.2% and 2.4%, respectively, compared to 3.3% in the placebo group. The long-term rate of serious infections for the upadacitinib 15 mg and 30 mg groups was 4.1 and 3.9 events per 100 patient-years, respectively. The most frequently reported serious infection in the induction and maintenance phases was COVID-19 pneumonia.

**Opportunistic infections (excluding tuberculosis)**

In the placebo-controlled induction studies over 8 weeks, the frequency of opportunistic infection (excluding tuberculosis and herpes zoster) in the upadacitinib 45 mg group was 0.4% and 0.3% in the placebo group. No additional opportunistic infections (excluding tuberculosis and herpes zoster) were observed over 8-week extended treatment with upadacitinib 45 mg. In the placebo-controlled maintenance study over 52 weeks, the frequency of opportunistic infection (excluding tuberculosis and herpes zoster) in the upadacitinib 15 mg and 30 mg groups was 0.8% and 0.4%, respectively, compared to 0.8% in the placebo group. The long-term rate of opportunistic infections (excluding tuberculosis and herpes zoster) for the upadacitinib 15 mg and 30 mg groups was 0.6 and 0.3 events per 100 patient-years, respectively.

In the placebo-controlled induction studies over 8 weeks, the frequency of herpes zoster in the upadacitinib 45 mg group was 0.6% and 0% in the placebo group. The frequency of herpes zoster was 3.9% over 16-week treatment with upadacitinib 45 mg. In the placebo-controlled maintenance study over 52 weeks, the frequency of herpes zoster in the upadacitinib 15 mg and 30 mg groups was 4.4% and 4.0%, respectively, compared to 0% in the placebo group. The long-term rate of herpes zoster for the upadacitinib 15 mg and 30 mg groups was 5.7 and 6.3 events per 100 patient-years, respectively.

**Laboratory abnormalities**

In the induction and maintenance clinical studies, the laboratory changes in ALT increased and/or AST increased (≥ 3 x ULN), CPK values (> 5 x ULN), and neutropaenia (ANC < 1 x 10⁹ cells/L) associated with upadacitinib treatment were generally similar to what was observed in the rheumatologic disease and atopic dermatitis clinical studies. Dose-dependent changes for these laboratory parameters associated with 15 mg and 30 mg upadacitinib treatment were observed.

In the placebo-controlled induction studies for up to 8 weeks, decreases in lymphocyte counts below 0.5 x 10⁹ cells/L in at least one measurement occurred in 2.0% and 0.8% of patients in the upadacitinib 45 mg and placebo groups, respectively. In the placebo-controlled maintenance study, for up to 52 weeks, decreases in lymphocyte counts below 0.5 x 10⁹ cells/L in at least one measurement occurred in 1.6%, 0.8% and 0.8% of patients in the upadacitinib 15 mg, 30 mg and placebo groups, respectively. In clinical studies, treatment was interrupted in response to ALC < 0.5 x 10⁹ cells/L (see
section 4.2). No notable mean changes of lymphocyte counts were observed during upadacitinib treatment over time.

Elevations in lipid parameters were observed at 8 weeks of treatment with upadacitinib 45 mg and remained generally stable with longer-term treatment with upadacitinib 15 mg and 30 mg. Among patients in the placebo-controlled induction studies with baseline values below the specified limits, the following frequencies of patients were observed to shift to above the specified limits on at least one occasion during 8 weeks (including patients who had an isolated elevated value):

- Total cholesterol ≥ 5.17 mmol/L (200 mg/dL): 49% vs. 11%, in the upadacitinib 45 mg and placebo groups, respectively
- LDL cholesterol ≥ 3.36 mmol/L (130 mg/dL): 27% vs. 9%, in the upadacitinib 45 mg and placebo groups, respectively
- HDL cholesterol ≥ 1.03 mmol/L (40 mg/dL): 79% vs. 36%, in the upadacitinib 45 mg and placebo groups, respectively
- Triglycerides ≥ 2.26 mmol/L (200 mg/dL): 6% vs 4% in the upadacitinib 45 mg and placebo groups, respectively

**Crohn’s disease**

Overall, the safety profile observed in patients with Crohn’s disease treated with upadacitinib was consistent with the known safety profile for upadacitinib.

**Serious infections**

In the placebo-controlled induction studies, the frequency of serious infection over 12 weeks in the upadacitinib 45 mg group and the placebo group was 1.9% and 1.7%, respectively. In the placebo-controlled maintenance study, the frequency of serious infection over 52 weeks in the upadacitinib 15 mg and 30 mg groups was 3.2% and 5.7%, respectively, compared to 4.5% in the placebo group. The long-term rate of serious infections for the upadacitinib 15 mg and 30 mg groups in patients who responded to upadacitinib 45 mg as induction treatment was 5.1 and 7.3 events per 100 patient-years, respectively. The most frequently reported serious infection in the induction and maintenance studies was gastrointestinal infections.

**Gastrointestinal Perforations**

During the placebo-controlled period in the Phase 3 induction clinical studies, gastrointestinal perforation was reported in 1 patient (0.1%) treated with upadacitinib 45 mg and no patients on placebo through 12 weeks. In all patients treated with upadacitinib 45 mg (n=938) during the induction studies, gastrointestinal perforation was reported in 4 patients (0.4%).

In the long-term placebo-controlled period, gastrointestinal perforation was reported in 1 patient each treated with placebo (0.7 per 100 patient-years), upadacitinib 15 mg (0.4 per 100 patient-years), and upadacitinib 30 mg (0.4 per 100 patient-years). In all patients treated with rescue upadacitinib 30 mg (n=336), gastrointestinal perforation was reported in 3 patients (0.8 per 100 patient-years) through long-term treatment.

**Laboratory abnormalities**

In the induction and maintenance clinical studies, the laboratory changes in ALT increased and/or AST increased (≥ 3 x ULN), CPK values (> 5 x ULN), neutropaenia (ANC < 1 x 10^9 cells/L), and lipid parameters associated with upadacitinib treatment were generally similar to what was observed in the rheumatologic disease, atopic dermatitis and ulcerative colitis clinical studies. Dose-dependent
changes for these laboratory parameters associated with 15 mg and 30 mg upadacitinib treatment were observed.

In the placebo-controlled induction studies for up to 12 weeks, decreases in lymphocyte counts below $0.5 \times 10^9$ cells/L in at least one measurement occurred in 2.2% and 2.0% of patients in the upadacitinib 45 mg and placebo groups, respectively. In the placebo-controlled maintenance study, for up to 52 weeks, decreases in lymphocyte counts below $0.5 \times 10^9$ cells/L in at least one measurement occurred in 4.6%, 5.2% and 1.8% of patients in the upadacitinib 15 mg, 30 mg and placebo groups, respectively. In clinical studies, treatment was interrupted in response to ALC < $0.5 \times 10^9$ cells/L (see section 4.2). No notable mean changes of lymphocyte counts were observed during upadacitinib treatment over time.

In the placebo-controlled induction studies for up to 12 weeks, decreases in haemoglobin concentration to below 8 g/dL in at least one measurement occurred in 2.7% and 1.4% of patients in the upadacitinib 45 mg and placebo groups, respectively. In the placebo-controlled maintenance study, for up to 52 weeks, decreases in haemoglobin concentration below 8 g/dL in at least one measurement occurred in 1.4%, 4.4% and 2.8% of patients in the upadacitinib 15 mg, 30 mg and placebo groups, respectively. In clinical studies, treatment was interrupted in response to Hb < 8 g/dL (see section 4.2). No notable mean changes of haemoglobin concentration were observed during upadacitinib treatment over time.

**Elderly**

Based on limited data in atopic dermatitis patients 65 years of age and older, there was a higher rate of overall adverse reactions-with the upadacitinib 30 mg dose compared to the 15 mg dose.

Based on the limited data in ulcerative colitis and Crohn’s disease patients 65 years of age and older, there was a higher rate of overall adverse reactions with the upadacitinib 30 mg dose compared to the 15 mg dose with maintenance treatment (see section 4.4).

**Paediatric population**

A total of 343 adolescents aged 12 to 17 years with atopic dermatitis were treated in the Phase 3 studies, of whom 167 were exposed to 15 mg. The safety profile for upadacitinib 15 mg in adolescents was similar to that in adults. The safety and efficacy of the 30 mg dose in adolescents are still being investigated.

**Reporting of suspected adverse reactions**

Reporting suspected adverse reactions after authorisation of the medicinal product is important. It allows continued monitoring of the benefit/risk balance of the medicinal product. Healthcare professionals are asked to report any suspected adverse reactions via the national reporting system listed in Appendix V.

**4.9 Overdose**

Upadacitinib was administered in clinical studies up to doses equivalent in daily AUC to 60 mg prolonged-release once daily. Adverse reactions were comparable to those seen at lower doses and no specific toxicities were identified. Approximately 90% of upadacitinib in the systemic circulation is eliminated within 24 hours of dosing (within the range of doses evaluated in clinical studies). In case of an overdose, it is recommended that the patient be monitored for signs and symptoms of adverse reactions. Patients who develop adverse reactions should receive appropriate treatment.
5. PHARMACOLOGICAL PROPERTIES

5.1 Pharmacodynamic properties

Pharmacotherapeutic group: Immunosuppressants, selective immunosuppressants ATC code: L04AA44

Mechanism of action

Upadacitinib is a selective and reversible Janus kinase (JAK) inhibitor. JAKs are intracellular enzymes that transmit cytokine or growth factor signals involved in a broad range of cellular processes including inflammatory responses, hematopoiesis, and immune surveillance. The JAK family of enzymes contains four members, JAK1, JAK2, JAK3 and TYK2 which work in pairs to phosphorylate and activate signal transducers and activators of transcription (STATs). This phosphorylation, in turn, modulates gene expression and cellular function. JAK1 is important in inflammatory cytokine signals while JAK2 is important for red blood cell maturation and JAK3 signals play a role in immune surveillance and lymphocyte function.

In human cellular assays, upadacitinib preferentially inhibits signalling by JAK1 or JAK1/3 with functional selectivity over cytokine receptors that signal via pairs of JAK2. Atopic dermatitis is driven by pro-inflammatory cytokines (including IL-4, IL-13, IL-22, TSLP, IL-31 and IFN-γ) that transduce signals via the JAK1 pathway. Inhibiting JAK1 with upadacitinib reduces the signaling of many mediators which drive the signs and symptoms of atopic dermatitis such as eczematous skin lesions and pruritus. Pro-inflammatory cytokines (primarily IL-6, IL-7, IL-15 and IFNγ) transduce signals via the JAK1 pathway and are involved in the pathology of inflammatory bowel diseases. JAK1 inhibition with upadacitinib modulates the signalling of the JAK-dependent cytokines underlying the inflammatory burden and signs and symptoms of inflammatory bowel diseases.

Pharmacodynamic effects

Inhibition of IL-6 induced STAT3 and IL-7 induced STAT5 phosphorylation

In healthy volunteers, the administration of upadacitinib (immediate-release formulation) resulted in a dose- and concentration-dependent inhibition of IL-6 (JAK1/JAK2) - induced STAT3 and IL-7 (JAK1/JAK3)-induced STAT5 phosphorylation in whole blood. The maximal inhibition was observed 1 hour after dosing which returned to near baseline by the end of dosing interval.

Lymphocytes

In patients with rheumatoid arthritis, treatment with upadacitinib was associated with a small, transient increase in mean ALC from baseline up to week 36 which gradually returned to at or near baseline levels with continued treatment.

hsCRP

In patients with rheumatoid arthritis, treatment with upadacitinib was associated with decreases from baseline in mean hsCRP levels as early as week 1 which were maintained with continued treatment.

Vaccine study

The influence of upadacitinib on the humoral response following the administration of inactivated pneumococcal polysaccharide conjugate vaccine (13-valent, adsorbed) was evaluated in 111 patients with rheumatoid arthritis under stable treatment with upadacitinib 15 mg (n=87) or 30 mg (n=24). 97% of patients (n=108) were on concomitant methotrexate. The primary endpoint was the proportion of patients with satisfactory humoral response defined as ≥ 2-fold increase in antibody concentration from baseline to week 4 in at least 6 out of the 12 pneumococcal antigens (1, 3, 4, 5, 6B, 7F, 9V, 14, 18C, 19A, 19F, and 23F). Results at week 4 demonstrated a satisfactory humoral response in 67.5%
(95% CI: 57.4, 77.5) and 56.5% (95% CI: 36.3, 76.8) of patients treated with upadacitinib 15 mg and 30 mg, respectively.

Clinical efficacy and safety

**Rheumatoid arthritis**

The efficacy and safety of upadacitinib 15 mg once daily was assessed in five Phase 3 randomised, double-blind, multicentre studies in patients with moderately to severely active rheumatoid arthritis and fulfilling the ACR/EULAR 2010 classification criteria (see Table 4). Patients 18 years of age and older were eligible to participate. The presence of at least 6 tender and 6 swollen joints and evidence of systemic inflammation based on elevation of hsCRP was required at baseline. Four studies included long-term extensions for up to 5 years, and one study (SELECT-COMPARE) included a long-term extension for up to 10 years.

The primary analysis for each of these studies included all randomised subjects who received at least 1 dose of upadacitinib or placebo, and non-responder imputation was used for categorical endpoints.

Across the Phase 3 studies, the efficacy seen with upadacitinib 15 mg QD was generally similar to that observed with upadacitinib 30 mg QD.

### Table 4 Clinical trials summary

<table>
<thead>
<tr>
<th>Study name</th>
<th>Population (n)</th>
<th>Treatment arms</th>
<th>Key outcome measures</th>
</tr>
</thead>
</table>
| SELECT-EARLY     | MTX-naïve<sup>a</sup> (947) | • Upadacitinib 15 mg  
• Upadacitinib 30 mg  
• MTX  
Monotherapy       | • Primary endpoint: clinical remission (DAS28-CRP) at week 24  
• Low disease activity (DAS28-CRP)  
• ACR50  
• Radiographic progression (mTSS)  
• Physical function (HAQ-DI)  
• SF-36 PCS |
| SELECT-MONOTHERAPY | MTX-IR<sup>b</sup> (648)  | • Upadacitinib 15 mg  
• Upadacitinib 30 mg  
• MTX  
Monotherapy       | • Primary endpoint: low disease activity (DAS28-CRP) at week 14  
• Clinical remission (DAS28-CRP)  
• ACR20  
• Physical function (HAQ-DI)  
• SF-36 PCS  
• Morning stiffness |
| SELECT-NEXT      | csDMARD-IR<sup>c</sup> (661)  | • Upadacitinib 15 mg  
• Upadacitinib 30 mg  
• Placebo  
On background csDMARDs | • Primary endpoint: low disease activity (DAS28-CRP) at week 12  
• Clinical remission (DAS28-CRP)  
• ACR20  
• Physical function (HAQ-DI)  
• SF-36 PCS  
• Low disease activity (CDAI)  
• Morning stiffness  
• FACIT-F |
| SELECT-COMPARE   | MTX-IR<sup>d</sup> (1,629)  | • Upadacitinib 15 mg  
• Placebo  
• Adalimumab 40 mg  
On background MTX | • Primary endpoint: clinical remission (DAS28-CRP) at week 12  
• Low disease activity (DAS28-CRP)  
• ACR20  
• Low disease activity (DAS28-CRP) vs adalimumab  
• Radiographic progression (mTSS) |
Clinical response

Remission and low disease activity

In the studies, a significantly higher proportion of patients treated with upadacitinib 15 mg achieved low disease activity (DAS28-CRP ≤3.2) and clinical remission (DAS28-CRP <2.6) compared to placebo, MTX, or adalimumab (Table 5). Compared to adalimumab, significantly higher rates of low disease activity were achieved at week 12 in SELECT-COMPARE. Overall, both low disease activity and clinical remission rates were consistent across patient populations, with or without MTX. At 3 years, 297/651 (45.6%) and 111/327 (33.9%) patients remained on originally randomised treatment of upadacitinib 15 mg or adalimumab, respectively, in SELECT-COMPARE, and 216/317 (68.1%) and 149/315 (47.3%) patients remained on originally randomised treatment of upadacitinib 15 mg or MTX monotherapy, respectively, in SELECT-EARLY. Among the patients who remained on their originally allocated treatment, low disease activity and clinical remission were maintained through 3 years.

ACR response

In all studies, more patients treated with upadacitinib 15 mg achieved ACR20, ACR50, and ACR70 responses at 12 weeks compared to placebo, MTX, or adalimumab (Table 5). Time to onset of efficacy was rapid across measures with greater responses seen as early as week 1 for ACR20. Durable response rates were observed (with or without MTX), with ACR20/50/70 responses maintained through 3 years among the patients who remained on their originally allocated treatment.

Treatment with upadacitinib 15 mg, alone or in combination with csDMARDs, resulted in improvements in individual ACR components, including tender and swollen joint counts, patient and physician global assessments, HAQ-DI, pain assessment and hsCRP.
Table 5 Response and remission

<table>
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<tr>
<th>Study</th>
<th>SELECT EARLY MTX-Naïve</th>
<th>SELECT MONO MTX-IR</th>
<th>SELECT NEXT csDMARD-IR</th>
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<th>SELECT BEYOND bDMARD-IR</th>
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<td>MTX</td>
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<td></td>
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<tr>
<td>12/14b</td>
<td>54</td>
<td>76g</td>
<td>41</td>
<td>68g</td>
<td>36</td>
</tr>
<tr>
<td>24/26d</td>
<td>59</td>
<td>79g</td>
<td>36</td>
<td>67g,i</td>
<td>57</td>
</tr>
<tr>
<td>48</td>
<td>57</td>
<td>74g</td>
<td></td>
<td>65f</td>
<td>54</td>
</tr>
<tr>
<td>ACR50 (% of patients)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/14b</td>
<td>28</td>
<td>52g</td>
<td>15</td>
<td>42g</td>
<td>15</td>
</tr>
<tr>
<td>24/26d</td>
<td>33</td>
<td>60e</td>
<td>21</td>
<td>54g,h</td>
<td>42</td>
</tr>
<tr>
<td>48</td>
<td>43</td>
<td>63g</td>
<td></td>
<td>49f</td>
<td>40</td>
</tr>
<tr>
<td>ACR70 (% of patients)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/14b</td>
<td>14</td>
<td>32g</td>
<td>3</td>
<td>23g</td>
<td>6</td>
</tr>
<tr>
<td>24/26d</td>
<td>18</td>
<td>44g</td>
<td>10</td>
<td>35g,h</td>
<td>23</td>
</tr>
<tr>
<td>48</td>
<td>29</td>
<td>51g</td>
<td></td>
<td>36h</td>
<td>23</td>
</tr>
<tr>
<td>CDAI ≤10 (% of patients)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12/14b</td>
<td>30</td>
<td>46g</td>
<td>25</td>
<td>35f</td>
<td>19</td>
</tr>
<tr>
<td>24/26d</td>
<td>38</td>
<td>56g</td>
<td>22</td>
<td>53g,h</td>
<td>38</td>
</tr>
<tr>
<td>48</td>
<td>43</td>
<td>60g</td>
<td></td>
<td>47h</td>
<td>34</td>
</tr>
</tbody>
</table>

Abbreviations: ACR20 (or 50 or 70) = American College of Rheumatology ≥20% (or ≥50% or ≥70%) improvement; ADA = adalimumab; CDAI = Clinical Disease Activity Index; CR = Clinical Remission; CRP = C-Reactive Protein; DAS28 = Disease Activity Score 28 joints; IR = inadequate responder; LDA = Low Disease Activity; MTX = methotrexate; PBO = placebo; UPA = upadacitinib

a SELECT-NEXT, SELECT-EARLY, SELECT-COMPARE, SELECT-BEYOND
b SELECT-MONOTHERAPY
c SELECT-EARLY
d SELECT-COMPARE
e multiplicity-controlled p≤0.001 upadacitinib vs placebo or MTX comparison
f multiplicity-controlled p≤0.01 upadacitinib vs placebo or MTX comparison
 g nominal p≤0.001 upadacitinib vs placebo or MTX comparison
h nominal p≤0.001 upadacitinib vs placebo or MTX comparison
i nominal p≤0.001 upadacitinib vs placeo or MTX comparison
j nominal p<0.001 upadacitinib vs adalimumab comparison
k nominal p<0.01 upadacitinib vs adalimumab comparison
l nominal p<0.05 upadacitinib vs adalimumab comparison
m nominal p<0.01 upadacitinib vs placebo or MTX comparison
n nominal p<0.05 upadacitinib vs MTX comparison

Note: Week 48-data derived from analysis on Full Analysis set (FAS) by randomised group using Non-Responder Imputation
Radiographic response

Inhibition of progression of structural joint damage was assessed using the modified Total Sharp Score (mTSS) and its components, the erosion score and joint space narrowing score, at weeks 24/26 and week 48 in SELECT-EARLY and SELECT-COMPARE.

Treatment with upadacitinib 15 mg resulted in significantly greater inhibition of the progression of structural joint damage compared to placebo in combination with MTX in SELECT-COMPARE and as monotherapy compared to MTX in SELECT-EARLY (Table 6). Analyses of erosion and joint space narrowing scores were consistent with the overall scores. The proportion of patients with no radiographic progression (mTSS change ≤ 0) was significantly higher with upadacitinib 15 mg in both studies. Inhibition of progression of structural joint damage was maintained through week 96 in both studies for patients who remained on their originally allocated treatment with upadacitinib 15 mg (based on available results from 327 patients in SELECT-COMPARE and 238 patients in SELECT-EARLY).

Table 6 Radiographic changes

<table>
<thead>
<tr>
<th>Study</th>
<th>SELECT EARLY MTX-Naïve</th>
<th>SELECT COMPARE MTX-IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment Group</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>MTX</td>
<td>UPA 15 mg</td>
</tr>
<tr>
<td>Modified Total Sharp Score, mean change from baseline</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 24\textsuperscript{b}/26\textsuperscript{c}</td>
<td>0.7</td>
<td>0.1\textsuperscript{f}</td>
</tr>
<tr>
<td>Week 48</td>
<td>1.0</td>
<td>0.03\textsuperscript{e}</td>
</tr>
<tr>
<td>Proportion of patients with no radiographic progression\textsuperscript{d}</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 24\textsuperscript{b}/26\textsuperscript{c}</td>
<td>77.7</td>
<td>87.5\textsuperscript{c}</td>
</tr>
<tr>
<td>Week 48</td>
<td>74.3</td>
<td>89.9\textsuperscript{c}</td>
</tr>
</tbody>
</table>

Abbreviations: ADA = adalimumab; IR = inadequate responder; MTX = methotrexate; PBO = placebo; UPA = upadacitinib
\textsuperscript{a} All placebo data at week 48 derived using linear extrapolation
\textsuperscript{b} SELECT-EARLY
\textsuperscript{c} SELECT-COMPARE
\textsuperscript{d} No progression defined as mTSS change ≤ 0
\textsuperscript{e} nominal p≤0.001 upadacitinib vs placebo or MTX comparison
\textsuperscript{f} multiplicity-controlled p≤0.01 upadacitinib vs placebo or MTX comparison
\textsuperscript{g} multiplicity-controlled p≤0.001 upadacitinib vs placebo or MTX comparison

Physical function response and health-related outcomes

Treatment with upadacitinib 15 mg, alone or in combination with csDMARDs, resulted in a significantly greater improvement in physical function compared to all comparators as measured by HAQ-DI (see Table 7). Improvement in HAQ-DI was maintained through 3 years for patients who remained on their originally allocated treatment with upadacitinib 15 mg based on available results from SELECT-COMPARE and SELECT-EARLY.
Table 7 Mean change from baseline in HAQ-DI\textsuperscript{a,b}

<table>
<thead>
<tr>
<th>Study</th>
<th>SELECT EARLY MTX-Naïve</th>
<th>SELECT MONO MTX-IR</th>
<th>SELECT NEXT csDMARD-IR</th>
<th>SELECT COMPARE MTX-IR</th>
<th>SELECT BEYOND BIO-IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment group</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td></td>
<td>MTX</td>
<td>UPA 15mg</td>
<td>MTX</td>
<td>UPA 15mg</td>
<td>PBO</td>
</tr>
<tr>
<td>Baseline score, mean</td>
<td>313</td>
<td>317</td>
<td>216</td>
<td>216</td>
<td>220</td>
</tr>
<tr>
<td></td>
<td>1.6</td>
<td>1.6</td>
<td>1.5</td>
<td>1.5</td>
<td>1.4</td>
</tr>
<tr>
<td>Week 12\textsuperscript{c,14}</td>
<td>-0.5</td>
<td>-0.8\textsuperscript{b}</td>
<td>-0.3</td>
<td>-0.7\textsuperscript{e}</td>
<td>-0.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-0.3</td>
</tr>
<tr>
<td>Week 24\textsuperscript{e,26}</td>
<td>-0.6</td>
<td>-0.9\textsuperscript{e}</td>
<td></td>
<td></td>
<td>-0.3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-0.7\textsuperscript{h,i}</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>-0.6</td>
</tr>
</tbody>
</table>

Abbreviations: ADA = adalimumab; HAQ-DI = Health Assessment Questionnaire-Disability Index; IR = inadequate responder; MTX = methotrexate; PBO = placebo; UPA = upadacitinib

\textsuperscript{a} Data shown are mean

\textsuperscript{b} Health Assessment Questionnaire-Disability Index: 0=best, 3=worst; 20 questions; 8 categories: dressing and grooming, arising, eating, walking, hygiene, reach, grip, and activities.

\textsuperscript{c} SELECT-EARLY, SELECT-NEXT, SELECT-COMPARE, SELECT-BEYOND

\textsuperscript{d} SELECT-MONOTHERAPY

\textsuperscript{e} SELECT-EARLY

\textsuperscript{f} SELECT-COMPARE

\textsuperscript{g} multiplicity-controlled p≤0.001 upadacitinib vs placebo or MTX comparison

\textsuperscript{h} nominal p≤0.001 upadacitinib vs placebo or MTX comparison

\textsuperscript{i} nominal p≤0.01 upadacitinib vs adalimumab comparison

In the studies SELECT-MONOTHERAPY, SELECT-NEXT, and SELECT-COMPARE, treatment with upadacitinib 15 mg resulted in a significantly greater improvement in the mean duration of morning joint stiffness compared to placebo or MTX.

In the clinical studies, upadacitinib-treated patients reported significant improvements in patient-reported quality of life, as measured by the Short Form (36) Health Survey (SF-36) Physical Component Summary compared to placebo and MTX. Moreover, upadacitinib-treated patients reported significant improvements in fatigue, as measured by the Functional Assessment of Chronic Illness Therapy-Fatigue score (FACIT-F) compared to placebo.

Psoriatic arthritis

The efficacy and safety of upadacitinib 15 mg once daily were assessed in two Phase 3 randomised, double-blind, multicentre, placebo-controlled studies in patients 18 years of age or older with moderately to severely active psoriatic arthritis. All patients had active psoriatic arthritis for at least 6 months based upon the Classification Criteria for Psoriatic Arthritis (CASPAR), at least 3 tender joints and at least 3 swollen joints, and active plaque psoriasis or history of plaque psoriasis. For both studies, the primary endpoint was the proportion of patients who achieved an ACR20 response at week 12.

SELECT-PsA 1 was a 24-week trial in 1705 patients who had an inadequate response or intolerance to at least one non-biologic DMARD. At baseline, 1393 (82%) of patients were on at least one concomitant non-biologic DMARD; 1084 (64%) of patients received concomitant MTX only; and 311 (18%) of patients were on monotherapy. Patients received upadacitinib 15 mg or 30 mg once daily, adalimumab, or placebo. At week 24, all patients randomised to placebo were switched to upadacitinib 15 mg or 30 mg once daily in a blinded manner. SELECT-PsA 1 included a long-term extension for up to 5 years.
SELECT-PsA 2 was a 24-week trial in 642 patients who had an inadequate response or intolerance to at least one biologic DMARD. At baseline, 296 (46%) of patients were on at least one concomitant non-biologic DMARD; 222 (35%) of patients received concomitant MTX only; and 345 (54%) of patients were on monotherapy. Patients received upadacitinib 15 mg or 30 mg once daily or placebo. At week 24, all patients randomised to placebo were switched to upadacitinib 15 mg or 30 mg once daily in a blinded manner. SELECT-PsA 2 included a long-term extension for up to 3 years.

**Clinical response**

In both studies, a statistically significant greater proportion of patients treated with upadacitinib 15 mg achieved ACR20 response compared to placebo at week 12 (Table 8). Time to onset of efficacy was rapid across measures with greater responses seen as early as week 2 for ACR20.

Treatment with upadacitinib 15 mg resulted in improvements in individual ACR components, including tender/painful and swollen joint counts, patient and physician global assessments, HAQ-DI, pain assessment, and hsCRP compared to placebo.

In SELECT-PsA 1, upadacitinib 15 mg achieved non-inferiority compared to adalimumab in the proportion of patients achieving ACR20 response at week 12; however, superiority to adalimumab could not be demonstrated.

In both studies, consistent responses were observed alone or in combination with methotrexate for primary and key secondary endpoints.

The efficacy of upadacitinib 15 mg was demonstrated regardless of subgroups evaluated including baseline BMI, baseline hsCRP, and number of prior non-biologic DMARDs (≤ 1 or >1).

### Table 8 Clinical response in SELECT-PsA 1 and SELECT-PsA 2

<table>
<thead>
<tr>
<th>Study</th>
<th>SELECT-PsA 1 non-biologic DMARD-IR</th>
<th>SELECT-PsA 2 bDMARD-IR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment Group</td>
<td>PBO</td>
<td>UPA 15 mg</td>
</tr>
<tr>
<td>N</td>
<td>423</td>
<td>429</td>
</tr>
<tr>
<td><strong>ACR20, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 12</td>
<td>36 (32, 41)</td>
<td>71 (66, 75)$^d$</td>
</tr>
<tr>
<td>Difference from placebo (95% CI)</td>
<td>35 (28, 41)$^{de}$</td>
<td>-</td>
</tr>
<tr>
<td>Week 24</td>
<td>45 (40, 50)</td>
<td>73 (69, 78)</td>
</tr>
<tr>
<td>Week 56</td>
<td>74 (70, 79)</td>
<td>60 (55, 64)</td>
</tr>
<tr>
<td><strong>ACR50, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 12</td>
<td>13 (10, 17)</td>
<td>38 (33, 42)</td>
</tr>
<tr>
<td>Week 24</td>
<td>19 (15, 23)</td>
<td>52 (48, 57)</td>
</tr>
<tr>
<td>Week 56</td>
<td>60 (55, 64)</td>
<td>51 (47, 56)</td>
</tr>
<tr>
<td><strong>ACR70, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 12</td>
<td>2 (1, 4)</td>
<td>16 (12, 19)</td>
</tr>
<tr>
<td>Week 24</td>
<td>5 (3, 7)</td>
<td>29 (24, 33)</td>
</tr>
<tr>
<td>Week 56</td>
<td>41 (36, 45)</td>
<td>31 (27, 36)</td>
</tr>
<tr>
<td><strong>MDA, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 12</td>
<td>6 (4, 9)</td>
<td>25 (21, 29)</td>
</tr>
<tr>
<td>Week 24</td>
<td>12 (9, 15)</td>
<td>37 (32, 41)$^d$</td>
</tr>
<tr>
<td>Week 56</td>
<td>45 (40, 50)</td>
<td>40 (35, 44)</td>
</tr>
<tr>
<td>Resolution of enthesitis (LEI=0), % of patients (95% CI)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---</td>
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<td>---</td>
</tr>
<tr>
<td>Week 12</td>
<td>33 (27, 39)</td>
<td>47 (42, 53)</td>
</tr>
<tr>
<td>Week 24</td>
<td>32 (27, 39)</td>
<td>54 (48, 60)</td>
</tr>
<tr>
<td>Week 56</td>
<td>59 (53, 65)</td>
<td>54 (48, 60)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Resolution of dactylitis (LDI=0), % of patients (95% CI)</th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 12</td>
<td>42 (33, 51)</td>
<td>74 (66, 81)</td>
<td>72 (64, 80)</td>
<td>36 (24, 48)</td>
<td>64 (51, 76)</td>
</tr>
<tr>
<td>Week 24</td>
<td>40 (31, 48)</td>
<td>77 (69, 84)</td>
<td>74 (66, 82)</td>
<td>28 (17, 39)</td>
<td>58 (45, 71)</td>
</tr>
<tr>
<td>Week 56</td>
<td>75 (68, 82)</td>
<td>74 (66, 82)</td>
<td>51 (38, 64)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PASI75, % of patients (95% CI)</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 16</td>
<td>21 (16, 27)</td>
<td>63 (56, 69)</td>
<td>53 (46, 60)</td>
<td>16 (10, 22)</td>
<td>52 (44, 61)</td>
</tr>
<tr>
<td>Week 24</td>
<td>27 (21, 33)</td>
<td>64 (58, 70)</td>
<td>59 (52, 65)</td>
<td>19 (12, 26)</td>
<td>54 (45, 62)</td>
</tr>
<tr>
<td>Week 56</td>
<td>65 (59, 72)</td>
<td>61 (55, 68)</td>
<td>52 (44, 61)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PASI90, % of patients (95% CI)</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Week 16</td>
<td>12 (8, 17)</td>
<td>38 (32, 45)</td>
<td>39 (32, 45)</td>
<td>8 (4, 13)</td>
<td>35 (26, 43)</td>
</tr>
<tr>
<td>Week 24</td>
<td>17 (12, 22)</td>
<td>42 (35, 48)</td>
<td>45 (38, 52)</td>
<td>7 (3, 11)</td>
<td>36 (28, 44)</td>
</tr>
<tr>
<td>Week 56</td>
<td>49 (42, 56)</td>
<td>47 (40, 54)</td>
<td>41 (32, 49)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Abbreviations: ACR20 (or 50 or 70) = American College of Rheumatology ≥20% (or ≥50% or ≥70%) improvement, ADA = adalimumab; bDMARD = biologic disease-modifying anti-rheumatic drug; IR = inadequate responder; MDA = minimal disease activity; PASI75 (or 90) = ≥75% (or ≥90%) improvement in Psoriasis Area and Severity Index; PBO = placebo; UPA= upadacitinib

Patients who discontinued randomised treatment or were missing data at week of evaluation were imputed as non-responders in the analyses. For MDA, resolution of enthesitis, and resolution of dactylitis at week 24/56, the subjects rescued at week 16 were imputed as non-responders in the analyses.

* In patients with enthesitis at baseline (n=241, 270, and 265, respectively, for SELECT-PsA 1 and n=144 and 133, respectively, for SELECT-PsA 2)

* In patients with dactylitis at baseline (n=126, 136, and 127, respectively, for SELECT-PsA 1 and n=64 and 55, respectively, for SELECT-PsA 2)

* In patients with ≥3% BSA psoriasis at baseline (n=211, 214, and 211, respectively, for SELECT-PsA 1 and n=131 and 130, respectively, for SELECT-PsA 2)

* primary endpoint

* multiplicity-controlled p≤0.001 upadacitinib vs placebo comparison

* multiplicity-controlled p≤0.001 upadacitinib vs adalimumab comparison (non-inferiority test)

**Radiographic response**

In SELECT-PsA 1, inhibition of progression of structural damage was assessed radiographically and expressed as the change from baseline in modified Total Sharp Score (mTSS) and its components, the erosion score and the joint space narrowing score, at week 24.

Treatment with upadacitinib 15 mg resulted in statistically significant greater inhibition of the progression of structural joint damage compared to placebo at week 24 (Table 9). Erosion and joint space narrowing scores were consistent with the overall scores. The proportion of patients with no radiographic progression (mTSS change ≤0.5) was higher with upadacitinib 15 mg compared to placebo at week 24.
Table 9 Radiographic changes in SELECT-PsA 1

<table>
<thead>
<tr>
<th>Treatment Group</th>
<th>PBO</th>
<th>UPA 15 mg</th>
<th>ADA 40 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Modified Total Sharp Score, mean change from baseline (95% CI)</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 24</td>
<td>0.25 (0.13, 0.36)</td>
<td>-0.04 (-0.16, 0.07)</td>
<td>0.01 (-0.11, 0.13)</td>
</tr>
<tr>
<td>Week 56</td>
<td>0.44 (0.29, 0.59)</td>
<td>-0.05 (-0.20, 0.09)</td>
<td>-0.06 (-0.20, 0.09)</td>
</tr>
<tr>
<td><strong>Proportion of patients with no radiographic progression</strong>, % (95% CI)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 24</td>
<td>92 (89, 95)</td>
<td>96 (94, 98)</td>
<td>95 (93, 97)</td>
</tr>
<tr>
<td>Week 56</td>
<td>89 (86, 92)</td>
<td>97 (96, 99)</td>
<td>94 (92, 97)</td>
</tr>
</tbody>
</table>

Abbreviations: ADA = adalimumab; PBO = placebo; UPA = upadacitinib

\(^\text{a}\) All placebo data at week 56 derived using linear extrapolation

\(^\text{b}\) No progression defined as mTSS change \(\leq 0.5\)

\(^\text{c}\) multiplicity-controlled \(p \leq 0.001\) upadacitinib vs placebo comparison

**Physical function response and health-related outcomes**

In SELECT-PsA 1, patients treated with upadacitinib 15 mg showed statistically significant improvement from baseline in physical function as assessed by HAQ-DI at week 12 (-0.42 [95% CI: -0.47, -0.37]) compared to placebo (-0.14 [95% CI: -0.18, -0.09]); improvement in patients treated with adalimumab was -0.34 (95% CI: -0.38, -0.29). In SELECT-PsA 2, patients treated with upadacitinib 15 mg showed statistically significant improvement from baseline in HAQ-DI at week 12 (-0.30 [95% CI: -0.37, -0.24]) compared to placebo (-0.10 [95% CI: -0.16, -0.03]). Improvement in physical function was maintained through week 56 in both studies.

Health-related quality of life was assessed by SF-36v2. In both studies, patients receiving upadacitinib 15 mg experienced statistically significant greater improvement from baseline in the Physical Component Summary score compared to placebo at week 12. Improvements from baseline were maintained through week 56 in both studies.

Patients receiving upadacitinib 15 mg experienced statistically significant improvement from baseline in fatigue, as measured by FACIT-F score, at week 12 compared to placebo in both studies. Improvements from baseline were maintained through week 56 in both studies.

At baseline, psoriatic spondylitis was reported in 31% and 34% of patients in SELECT-PsA 1 and SELECT-PsA 2, respectively. Patients with psoriatic spondylitis treated with upadacitinib 15 mg showed improvements from baseline in Bath Ankylosing Spondylitis Disease Activity Index (BASDAI) scores compared to placebo at week 24. Improvements from baseline were maintained through week 56 in both studies.

**Axial spondyloarthritis**

**Non-radiographic axial spondyloarthritis**

The efficacy and safety of upadacitinib 15 mg once daily were assessed in a randomised, double-blind, multicentre, placebo-controlled study in patients 18 years of age or older with active non-radiographic axial spondyloarthritis. Study SELECT-AXIS 2 (nr-axSpA) was a 52-week placebo-controlled trial in 314 patients with active non-radiographic axial spondyloarthritis with an inadequate response to at least two NSAIDs or intolerance to or contraindication for NSAIDs. Patients must have had objective signs of inflammation indicated by elevated C-reactive protein (CRP) (defined as > upper limit of normal), and/or sacroiliitis on magnetic resonance imaging (MRI), and no definitive radiographic evidence of structural damage on sacroiliac joints. Patients had active disease as defined by the Bath Ankylosing Spondylitis Disease Activity Index (BASDAI) \(\geq 4\), and a Patient's Assessment of Total Back Pain score \(\geq 4\) based on a 0 – 10 numerical rating scale (NRS) at the Screening and Baseline...
Visits. At baseline, patients had symptoms of non-radiographic axial spondyloarthritis for an average of 9.1 years and 29.1% of the patients were on a concomitant csDMARD. 32.9% of the patients had an inadequate response or intolerance to bDMARD therapy. Patients received upadacitinib 15 mg once daily or placebo. At week 52, all patients randomised to placebo were switched to upadacitinib 15 mg once daily. The primary endpoint was the proportion of patients achieving an Assessment of SpondyloArthritis international Society 40 (ASAS40) response at week 14. The study included a long-term extension for up to 2 years. So far, only efficacy data up to week 14 are available and presented.

Clinical response

In SELECT-AXIS 2 (nr-axSpA), a significantly greater proportion of patients treated with upadacitinib 15 mg achieved an ASAS40 response compared to placebo at week 14 (Table 10). A numerical difference between treatment groups was observed at all timepoints from week 2 to week 14. Treatment with upadacitinib 15 mg resulted in improvements in individual ASAS components (patient global assessment of disease activity, total back pain assessment, inflammation, and function) and other measures of disease activity, including hsCRP, compared to placebo at week 14.

The efficacy of upadacitinib 15 mg was demonstrated across subgroups including gender, baseline BMI, symptom duration of non-radiographic axial spondyloarthritis, baseline hsCRP, MRI sacroiliitis, and prior use of bDMARDs.

Table 10 Clinical response in SELECT-AXIS 2 (nr-axSpA)

<table>
<thead>
<tr>
<th>Treatment Group</th>
<th>PBO</th>
<th>UPA 15 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>N</strong></td>
<td>157</td>
<td>156</td>
</tr>
<tr>
<td><strong>ASAS40, % of patients (95% CI)</strong>&lt;sup&gt;a&lt;/sup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>22.5 (16.0, 29.1)</td>
<td>44.9 (37.1, 52.7)</td>
</tr>
<tr>
<td>Difference from placebo (95% CI)</td>
<td>22.2 (12.1, 32.3)&lt;sup&gt;b&lt;/sup&gt;</td>
<td></td>
</tr>
<tr>
<td><strong>ASAS20, % of patients (95% CI)</strong>&lt;sup&gt;a&lt;/sup&gt;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>43.8 (36.0, 51.5)</td>
<td>66.7 (59.3, 74.1)&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>ASAS Partial Remission, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>7.6 (3.5, 11.8)</td>
<td>18.6 (12.5, 24.7)&lt;sup&gt;c&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>BASDAI 50, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>22.1 (15.5, 28.6)</td>
<td>42.3 (34.6, 50.1)&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>Change from baseline in ASDAS-CRP (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>-0.71 (-0.85, -0.56)</td>
<td>-1.36 (-1.50, -1.21)&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>ASDAS Inactive Disease, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>5.2 (1.7, 8.7)</td>
<td>14.1 (8.6, 19.6)&lt;sup&gt;c&lt;/sup&gt;</td>
</tr>
<tr>
<td><strong>ASDAS Low Disease Activity, % of patients (95% CI)</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>18.3 (12.2, 24.4)</td>
<td>42.3 (34.6, 50.1)&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

Abbreviations: ASAS20 (or ASAS40) = Assessment of SpondyloArthritis international Society ≥20% (or ≥40%) improvement; ASDAS-CRP = Ankylosing Spondylitis Disease Activity Score C-Reactive Protein; BASDAI = Bath Ankylosing Spondylitis Disease Activity Index; PBO = placebo; UPA = upadacitinib
<sup>a</sup> An ASAS20 (ASAS40) response is defined as a ≥20% (≥40%) improvement and an absolute improvement from baseline of ≥1 (≥2) unit(s) (range 0 to 10) in ≥3 of 4 domains (Patient Global, Total Back Pain, Function, and Inflammation), and no worsening in the potential remaining domain (defined as worsening ≥20% and ≥1 unit for ASAS20 or defined as worsening of > 0 units for ASAS40).
<sup>b</sup> multiplicity-controlled p≤0.001 upadacitinib vs placebo comparison
<sup>c</sup> multiplicity-controlled p≤0.01 upadacitinib vs placebo comparison

For binary endpoints, results are based on non-responder imputation in conjunction with multiple imputation. For continuous endpoints, results are based on the least squares mean change from baseline using mixed-effect models repeated measures analysis.
Physical function response and health-related outcomes

Patients treated with upadacitinib 15 mg showed significant improvement in physical function from baseline compared to placebo as assessed by the BASFI at week 14.

Patients treated with upadacitinib 15 mg showed significant improvements in total back pain and nocturnal back pain compared to placebo at week 14.

Patients treated with upadacitinib 15 mg showed significant improvements in health-related quality of life and overall health as measured by ASQoL and ASAS Health Index, respectively, compared to placebo at week 14.

Objective measure of inflammation

Signs of inflammation were assessed by MRI and expressed as change from baseline in the Spondyloarthritis Research Consortium of Canada (SPARCC) score of the sacroiliac joints. At week 14, significant improvement of inflammatory signs in the sacroiliac joints was observed in patients treated with upadacitinib 15 mg compared to placebo.

Ankylosing spondylitis (AS, radiographic axial spondyloarthritis)

The efficacy and safety of upadacitinib 15 mg once daily were assessed in two randomised, double-blind, multicentre, placebo-controlled studies in patients 18 years of age or older with active ankylosing spondylitis based upon the Bath Ankylosing Spondylitis Disease Activity Index (BASDAI) ≥4 and Patient’s Assessment of Total Back Pain score ≥4. Both studies included a long-term extension for up to 2 years.

SELECT-AXIS 1 was a 14-week placebo-controlled trial in 187 ankylosing spondylitis patients with an inadequate response to at least two NSAIDs or intolerance to or contraindication for NSAIDs and had no previous exposure to biologic DMARDs. At baseline, patients had symptoms of ankylosing spondylitis for an average of 14.4 years and approximately 16% of the patients were on a concomitant csDMARD. Patients received upadacitinib 15 mg once daily or placebo. At week 14, all patients randomised to placebo were switched to upadacitinib 15 mg once daily. The primary endpoint was the proportion of patients achieving an Assessment of SpondyloArthritis international Society 40 (ASAS40) response at week 14.

SELECT-AXIS 2 (AS) was a 14-week placebo-controlled trial in 420 ankylosing spondylitis patients with prior exposure to bDMARDs (77.4% had lack of efficacy to either a TNF inhibitor or interleukin-17 inhibitor (IL-17i); 30.2% had intolerance; 12.9% had prior exposure but not lack of efficacy to two bDMARDs). At baseline, patients had symptoms of ankylosing spondylitis for an average of 12.8 years and approximately 31% of the patients were on a concomitant csDMARD. Patients received upadacitinib 15 mg once daily or placebo. At week 14, all patients randomised to placebo were switched to upadacitinib 15 mg once daily. The primary endpoint was the proportion of patients achieving an Assessment of SpondyloArthritis international Society 40 (ASAS40) response at week 14.

Clinical response

In both studies, a significantly greater proportion of patients treated with upadacitinib 15 mg achieved an ASAS40 response compared to placebo at week 14 (Table 11). A numerical difference between treatment groups was observed from week 2 in SELECT-AXIS 1 and week 4 in SELECT-AXIS 2 (AS) for ASAS40.

Treatment with upadacitinib 15 mg resulted in improvements in individual ASAS components (patient global assessment of disease activity, total back pain assessment, inflammation, and function) and other measures of disease activity, including hsCRP, at week 14 compared to placebo.
The efficacy of upadacitinib 15 mg was demonstrated regardless of subgroups evaluated including gender, baseline BMI, symptom duration of AS, baseline hsCRP, and prior use of bDMARDs.

Table 11 Clinical response

<table>
<thead>
<tr>
<th>Study</th>
<th>SELECT-AXIS 1</th>
<th>SELECT-AXIS 2 (AS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>bDMARD-naïve</td>
<td>bDMARD-IR</td>
</tr>
<tr>
<td>Treatment Group</td>
<td>PBO</td>
<td>UPA 15 mg</td>
</tr>
<tr>
<td>N</td>
<td>94</td>
<td>93</td>
</tr>
</tbody>
</table>

ASAS40, % of patients (95% CI)

| Week 14 | 25.5 (16.7, 34.3) | 51.6 (41.5, 61.8) | 18.2 (13.0, 23.4) | 44.5 (37.8, 51.3) |
| Difference from placebo (95% CI) | 26.1 (12.6, 39.5)c | 26.4 (17.9, 34.9)c |

ASAS20, % of patients (95% CI)

| Week 14 | 40.4 (30.5, 50.3) | 64.5 (54.8, 74.2)c |
| ASAS Partial Remission, % of patients (95% CI) | 1.1 (0.0, 3.1) | 19.4 (11.3, 27.4)c |
| BASDAI 50, % of patients (95% CI) | 23.4 (14.8, 32.0) | 45.2 (35.0, 55.3)c |
| Change from baseline in ASDAS-CRP (95% CI) | -0.54 (-0.71, -0.37) | -1.45 (-1.62, -1.28)c |
| ASDAS Inactive Disease, % of patients (95% CI) | 0 | 16.1 (8.7, 23.6)c |
| ASDAS Low Disease Activity, % of patients (95% CI) | 10.6 (4.4, 16.9) | 49.5 (39.3, 59.6)c |
| ASDAS Major Improvement, % of patients (95% CI) | 5.3 (0.8, 9.9) | 32.3 (22.8, 41.8)c |

a An ASAS20 (ASAS40) response is defined as a ≥20% (≥40%) improvement and an absolute improvement from baseline of ≥1 (≥2) unit(s) (range 0 to 10) in ≥3 of 4 domains (Patient Global, Total Back Pain, Function, and Inflammation), and no worsening in the potential remaining domain (defined as worsening ≥20% and ≥1 unit for ASAS20 or defined as worsening of > 0 units for ASAS40).

b primary endpoint
c multiplicity-controlled p≤0.001 upadacitinib vs placebo comparison
d multiplicity-controlled p≤0.01 upadacitinib vs placebo comparison
e comparison not multiplicity-controlled
f post-hoc analysis for SELECT-AXIS 1, not multiplicity-controlled

For binary endpoints, week 14 results are based on non-responder imputation (SELECT-AXIS 1) and on non-responder imputation in conjunction with multiple imputation (SELECT-AXIS 2 [AS]). For continuous endpoints, week 14 results are based on the least squares mean change from baseline using mixed models for repeated measures analysis.

In SELECT-AXIS 1, efficacy was maintained through 2 years as assessed by the endpoints presented in Table 11.
Physical function response and health-related outcomes

In both studies, patients treated with upadacitinib 15 mg showed significant improvement in physical function from baseline compared to placebo as assessed by the Bath Ankylosing Spondylitis Functional Index (BASFI) change from baseline at week 14. In SELECT-AXIS 1, improvement in BASFI was maintained through 2 years.

In SELECT-AXIS 2 (AS), patients treated with upadacitinib 15 mg showed significant improvements in total back pain and nocturnal back pain compared to placebo at week 14.

In SELECT-AXIS 2 (AS), patients treated with upadacitinib 15 mg showed significant improvements in health-related quality of life and overall health as measured by ASQoL and ASAS Health Index, respectively, compared to placebo at week 14.

Enthesitis

In SELECT-AXIS 2 (AS), patients with pre-existing enthesitis (n=310) treated with upadacitinib 15 mg showed significant improvement in enthesitis compared to placebo as measured by change from baseline in Maastricht Ankylosing Spondylitis Enthesitis Score (MASES) at week 14.

Spinal mobility

In SELECT-AXIS 2 (AS), patients treated with upadacitinib 15 mg showed significant improvement in spinal mobility compared to placebo as measured by change from baseline in Bath Ankylosing Spondylitis Metrology Index (BASMI) at week 14.

Objective measure of inflammation

Signs of inflammation were assessed by MRI and expressed as change from baseline in the SPARCC score for spine. In both studies at week 14, significant improvement of inflammatory signs in the spine was observed in patients treated with upadacitinib 15 mg compared to placebo. In SELECT-AXIS 1, improvement in inflammation as assessed by MRI was maintained through 2 years.

Atopic dermatitis

The efficacy and safety of upadacitinib 15 mg and 30 mg once daily was assessed in three Phase 3 randomised, double-blind, multicentre studies (MEASURE UP 1, MEASURE UP 2 and AD UP) in a total of 2584 patients (12 years of age and older). Upadacitinib was evaluated in 344 adolescent and 2240 adult patients with moderate to severe atopic dermatitis (AD) not adequately controlled by topical medication(s). At baseline, patients had to have all the following: an Investigator's Global Assessment (vIGA-AD) score ≥ 3 in the overall assessment of AD (erythema, induration/papulation, and oozing/crusting) on an increasing severity scale of 0 to 4, an Eczema Area and Severity Index (EASI) score ≥ 16 (composite score assessing extent and severity of erythema, oedema/papulation, scratches and lichenification across 4 different body sites), a minimum body surface area (BSA) involvement of ≥ 10%, and weekly average Worst Pruritus Numerical Rating Scale (NRS) ≥ 4.

In all three studies, patients received upadacitinib once daily doses of 15 mg, 30 mg, or matching placebo for 16 weeks. In the AD UP study, patients also received concomitant topical corticosteroids (TCS). Following completion of the double blinded period, patients originally randomised to upadacitinib were to continue receiving the same dose until week 260. Patients in the placebo group were re-randomised in a 1:1 ratio to receive upadacitinib 15 mg or 30 mg until week 260.

Baseline characteristics
In the monotherapy studies (MEASURE UP 1 and 2), 50.0% of patients had a baseline vIGA-AD score of 3 (moderate) and 50.0% of patients had a baseline vIGA-AD of 4 (severe). The mean baseline EASI score was 29.3 and the mean baseline weekly average Worst Pruritus NRS was 7.3. In the concomitant TCS study (AD UP), 47.1% of patients had a baseline vIGA-AD score of 3 (moderate) and 52.9% of patients had a baseline vIGA-AD of 4 (severe). The mean baseline EASI score was 29.7 and the mean baseline weekly average Worst Pruritus NRS was 7.2.

Clinical response

Monotherapy (MEASURE UP 1 AND MEASURE UP 2) and Concomitant TCS (AD UP) studies

A significantly greater proportion of patients treated with upadacitinib 15 mg or 30 mg achieved vIGA-AD 0 or 1, EASI 75, or a ≥ 4-point improvement on the Worst Pruritus NRS compared to placebo at week 16. Rapid improvements in skin clearance and itch were also achieved (see Table 12).

Figure 1 shows the proportion of patients achieving an EASI 75 response and mean percent change from baseline in Worst Pruritus NRS, respectively up to week 16 for MEASURE UP 1 and 2.

Table 12 Efficacy results of upadacitinib

<table>
<thead>
<tr>
<th>Study</th>
<th>MEASURE UP 1</th>
<th>MEASURE UP 2</th>
<th>AD UP</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Treatment Group</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>PBO</td>
<td>UPA 15 mg</td>
<td>UPA 30 mg</td>
</tr>
<tr>
<td>Number of subjects randomised</td>
<td>281</td>
<td>281</td>
<td>285</td>
</tr>
<tr>
<td>Week 16 endpoints, % responders (95% CI)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vIGA-AD 0/1</td>
<td>8 (5,12)</td>
<td>48d (42,54)</td>
<td>62d (56,68)</td>
</tr>
<tr>
<td>EASI 75</td>
<td>16 (12,21)</td>
<td>70d (64,75)</td>
<td>80d (75,84)</td>
</tr>
<tr>
<td>EASI 90</td>
<td>8 (5,11)</td>
<td>53d (47,59)</td>
<td>66d (60,71)</td>
</tr>
<tr>
<td>EASI 100</td>
<td>2 (0,3)</td>
<td>17d (12,21)</td>
<td>27d (22,32)</td>
</tr>
<tr>
<td>Worst Pruritus NRS</td>
<td>12 (8,16)</td>
<td>52d (46,58)</td>
<td>60d (54,66)</td>
</tr>
</tbody>
</table>

| Early onset endpoints, % responders (95% CI) | | | | | | | | | |
| EASI 75 | 4 (1,6) | 38d (32,44) | 47d (42,53) | 4 (1,6) | 33d (27,39) | 44d (38,50) | 7 (4,10) | 31d (26,36) | 44d (38,50) |
| Worst Pruritus NRS | 0 (0,1) | 15d (11,19) | 20d (15,24) | 1 (0,2) | 7d (4,11) | 16d (11,20) | 3 (1,5) | 12d (8,16) | 19d (15,24) |

Abbreviations: UPA= upadacitinib (RINVOQ); PBO = placebo
Subjects with rescue medication or with missing data were counted as non-responders. The number and percentage of subjects who were imputed as non-responders for EASI 75 and vIgA-AD 0/1 at Week 16 due to the use of rescue therapy in the placebo, upadacitinib 15 mg, and upadacitinib 30 mg groups, respectively, were 132 (47.0%), 31 (11.0%), 16 (5.6%) in MEASURE UP 1, 119 (42.8%), 24 (8.7%), 16 (5.7%) in MEASURE UP 2, and 78 (25.7%), 15 (5.0%), 14 (4.7%) in AD UP.

Based on number of subjects randomised

Responder was defined as a patient with vIgA-AD 0 or 1 ("clear" or "almost clear") with a reduction of ≥ 2 points on a 0-4 ordinal scale

Results shown in subset of patients eligible for assessment (patients with Worst Pruritus NRS ≥ 4 at baseline)

p < 0.001 vs placebo, without multiplicity control

Statistically significant improvements vs placebo were seen as early as 1 day after initiating upadacitinib 30 mg and 2 days after initiating upadacitinib 15 mg in MEASURE UP 1 and 2

Figure 1 Proportion of patients achieving an EASI 75 response and mean percent change from baseline in Worst Pruritus NRS in MEASURE UP 1 and MEASURE UP 2

Proportion of patients achieving an EASI 75 response

Mean percent change from baseline in Worst Pruritus NRS

<table>
<thead>
<tr>
<th>Weeks</th>
<th>Placebo</th>
<th>RINVOQ 15 mg QD</th>
<th>RINVOQ 30 mg QD</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
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<td>2</td>
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<td>4</td>
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<td>8</td>
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<td></td>
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<tr>
<td>12</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*: p < 0.001 vs placebo, without multiplicity control

**: statistically significant vs. placebo with p < 0.001

Treatment effects in subgroups (weight, age, gender, race, and prior systemic treatment with immunosuppressants) were consistent with the results in the overall study population.

Results at week 16 continued to be maintained through week 52 in patients treated with upadacitinib 15 mg or 30 mg.

Quality of life/patient-reported outcomes

Table 13 Patient-reported outcomes results of upadacitinib at week 16
## Ulcerative colitis

The efficacy and safety of upadacitinib was evaluated in three multicentre, double-blind, placebo-controlled Phase 3 clinical studies: two replicate induction studies, UC-1 (U-ACHIEVE Induction) and UC-2 (U-ACCOMPLISH), and a maintenance study UC-3 (U-ACHIEVE Maintenance).

Disease activity was based on the adapted Mayo score (aMS, Mayo scoring system excluding Physician’s Global Assessment), which ranged from 0 to 9 and has three subscores that were each scored 0 (normal) to 3 (most severe): stool frequency subscore (SFS), rectal bleeding subscore (RBS) and a centrally-reviewed endoscopy subscore (ES).

### Induction studies (UC-1 and UC-2)

In UC-1 and UC-2, 988 patients (473 and 515 patients, respectively) were randomised to upadacitinib 45 mg once daily or placebo for 8 weeks with a 2:1 treatment allocation ratio and included in the efficacy analysis. All enrolled patients had moderately to severely active ulcerative colitis defined as an aMS of 5 to 9 with an ES of 2 or 3 and demonstrated prior treatment failure including inadequate response, loss of response, or intolerance to prior conventional and/or biologic treatment. Prior treatment failure to at least 1 biologic therapy (prior biologic failure) was seen in 52% (246/473) and 51% (262/515) of patients, respectively. Previous treatment failure to conventional therapy but not...
biologics (without prior biologic failure) was seen in 48% (227/473) and 49% (253/515) of patients, respectively.

At baseline in UC-1 and UC-2, 39% and 37% of patients received corticosteroids, 1.1% and 0.6% of patients received methotrexate and 68% and 69% of patients received aminosalicylates. Concomitant use of thiopurine was not allowed during the studies. Patient disease activity was moderate (aMS ≥5, ≤7) in 61% and 60% of patients and severe (aMS >7) in 39% and 40% of patients.

The primary endpoint was clinical remission per aMS at week 8. Table 14 shows the primary and key secondary endpoints including clinical response, mucosal healing, histologic-endoscopic mucosal healing and deep mucosal healing.

Table 14 Proportion of patients meeting primary and key secondary efficacy endpoints at week 8 in the induction studies UC-1 and UC-2

<table>
<thead>
<tr>
<th>Endpoint</th>
<th>UC-1 (U-ACHIEVE)</th>
<th>UC-2 (U-ACCOMPLISH)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>PBO N=154</td>
<td>UPA 45 mg N=319</td>
</tr>
<tr>
<td>Clinical remission a</td>
<td>4.8%</td>
<td>26.1%</td>
</tr>
<tr>
<td>Prior biologic failure +</td>
<td>0.4%</td>
<td>17.9%</td>
</tr>
<tr>
<td>Without prior biologic failure +</td>
<td>9.2%</td>
<td>35.2%</td>
</tr>
<tr>
<td>Clinical response b</td>
<td>27.3%</td>
<td>72.6%</td>
</tr>
<tr>
<td>Prior biologic failure +</td>
<td>12.8%</td>
<td>64.4%</td>
</tr>
<tr>
<td>Without prior biologic failure +</td>
<td>42.1%</td>
<td>81.8%</td>
</tr>
<tr>
<td>Mucosal healing c</td>
<td>7.4%</td>
<td>36.3%</td>
</tr>
<tr>
<td>Prior biologic failure +</td>
<td>1.7%</td>
<td>27.0%</td>
</tr>
<tr>
<td>Without prior biologic failure +</td>
<td>13.2%</td>
<td>46.8%</td>
</tr>
<tr>
<td>Histologic-endoscopic mucosal healing d</td>
<td>6.6%</td>
<td>30.1%</td>
</tr>
<tr>
<td>Prior biologic failure +</td>
<td>1.4%</td>
<td>22.7%</td>
</tr>
<tr>
<td>Without prior biologic failure +</td>
<td>11.8%</td>
<td>38.2%</td>
</tr>
<tr>
<td>Deep mucosal healing e</td>
<td>1.3%</td>
<td>10.7%</td>
</tr>
<tr>
<td>Prior biologic failure +</td>
<td>0</td>
<td>6.5%</td>
</tr>
<tr>
<td>Without prior biologic failure +</td>
<td>2.6%</td>
<td>15.4%</td>
</tr>
</tbody>
</table>
Abbreviations: PBO = placebo; UPA = upadacitinib; aMS = adapted Mayo Score, based on the Mayo Scoring system (excluding Physician's Global Assessment), which ranged from 0 to 9 and has three subscores that were each scored 0 (normal) to 3 (most severe): stool frequency subscore (SFS), rectal bleeding subscore (RBS) and a centrally-reviewed endoscopy subscore (ES).

The number of “Prior biologic failure” patients in UC-1 and UC-2 are 78 and 89 in the placebo group, and 168 and 173 in the upadacitinib 45 mg group, respectively; the number of “Without prior biologic failure” patients in UC-1 and UC-2 are 76 and 85 in the placebo group, and 151 and 168 in the upadacitinib 45 mg group, respectively.

*p <0.001, adjusted treatment difference (95% CI)

aPer aMS: SFS≤ 1 and not greater than baseline, RBS = 0, ES ≤ 1 without friability

bPer aMS: decrease ≥ 2 points and ≥ 30% from baseline and a decrease in RBS ≥ 1 from baseline or an absolute RBS ≤ 1.

cES ≤ 1 without friability

dES ≤ 1 without friability and Geboes score ≤ 3.1 (indicating neutrophil infiltration in < 5% of crypts, no crypt destruction, and no erosions, ulcerations, or granulation tissue.)

eES = 0, Geboes score < 2 (indicating no neutrophil in crypts or lamina propria and no increase in eosinophil, no crypt destruction, and no erosions, ulcerations, or granulation tissue)

Disease activity and symptoms

The partial adapted Mayo score (paMS) is composed of SFS and RBS. Symptomatic response per paMS is defined as a decrease of ≥1 point and ≥30% from baseline and a decrease in RBS ≥ 1 or an absolute RBS ≤1. Statistically significant improvement compared to placebo per paMS was seen as early as week 2 (UC-1: 60.1% vs 27.3% and UC-2: 63.3% vs 25.9%).

Extended induction

A total of 125 patients in UC-1 and UC-2 who did not achieve clinical response after 8 weeks of treatment with upadacitinib 45 mg once daily entered an 8-week open-label extended induction period. After the treatment of an additional 8 weeks (16 weeks total) of upadacitinib 45 mg once daily, 48.3% of patients achieved clinical response per aMS. Among patients who responded to treatment of 16-week upadacitinib 45 mg once daily, 35.7% and 66.7% of patients maintained clinical response per aMS and 19.0% and 33.3% of patients achieved clinical remission per aMS at week 52 with maintenance treatment of upadacitinib 15 mg and 30 mg once daily, respectively.

Maintenance study (UC-3)

The efficacy analysis for UC-3 was evaluated in 451 patients who achieved clinical response per aMS with 8-week upadacitinib 45 mg once daily induction treatment. Patients were randomised to receive upadacitinib 15 mg, 30 mg or placebo once daily for up to 52 weeks.

The primary endpoint was clinical remission per aMS at week 52. Table 15 shows the key secondary endpoints including maintenance of clinical remission, corticosteroid-free clinical remission, mucosal healing, histologic-endoscopic mucosal healing and deep mucosal healing.

<p>| Table 15 Proportion of patients meeting primary and key secondary efficacy endpoints at week 52 in the maintenance study UC-3 |
|-------------------------------------------------|-------|-------|-------|-----------------------------|-----------------------------|
| Treatment | PBO N=149 | UPA 15 mg N=148 | UPA 30 mg N=154 | Treatment Difference 15 mg vs PBO (95% CI) | Treatment Difference 30 mg vs PBO (95% CI) |
| Clinical remission | 12.1% | 42.3% | 51.7% | 30.7%* (21.7, 39.8) | 39.0%* (29.7, 48.2) |
| Prior biologic failure | 7.5% | 40.5% | 49.1% | 33.0% | 41.6% |</p>
<table>
<thead>
<tr>
<th>Maintenance of clinical remission</th>
<th>Without prior biologic failure</th>
<th>Prior biologic failure</th>
<th>Without prior biologic failure 13.6%</th>
<th>22.2%</th>
<th>28.1%</th>
<th>28.1%</th>
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<td></td>
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<td>N = 47</td>
<td>N = 58</td>
<td>69.7%</td>
<td>37.4%*</td>
<td>47.0%*</td>
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<td>17.6%</td>
<td>22.2%</td>
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<td>(30.7, 63.3)</td>
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<td>69.7%</td>
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<tr>
<td>Corticosteroid-free clinical remission</td>
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<td>N = 47</td>
<td>N = 58</td>
<td>68.0%</td>
<td>35.4%*</td>
<td>45.1%*</td>
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<tr>
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<td>22.2%</td>
<td>17.6%</td>
<td>22.2%</td>
<td>(18.2, 52.7)</td>
<td>(28.7, 61.6)</td>
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<tr>
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<tr>
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<td>34.4%*</td>
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<tr>
<td>Histologic-endoscopic mucosal healing</td>
<td>N = 54</td>
<td>N = 47</td>
<td>N = 58</td>
<td>49.8%</td>
<td>23.8%*</td>
<td>37.3%*</td>
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<tr>
<td>+</td>
<td>11.9%</td>
<td>35.0%</td>
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<td>35.0%</td>
<td>(14.8, 32.8)</td>
<td>(27.8, 46.8)</td>
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<tr>
<td></td>
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<td>35.5%*</td>
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<tr>
<td>Deep mucosal healing</td>
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<td>N = 58</td>
<td>19.0%</td>
<td>13.0%*</td>
<td>13.6%*</td>
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<td>(6.0, 20.0)</td>
<td>(6.6, 20.6)</td>
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<td>14.2%</td>
<td>10.6%</td>
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</tr>
</tbody>
</table>

Abbreviations: PBO = placebo; UPA = upadacitinib; aMS = adapted Mayo Score, based on the Mayo Scoring system (excluding Physician's Global Assessment), which ranged from 0 to 9 and has three subscores that were each scored 0 (normal) to 3 (most severe): stool frequency subscore (SFS), rectal bleeding subscore (RBS) and a centrally-reviewed endoscopy subscore (ES).

The number of “Prior biologic failure” patients are 81, 71, and 73 in the placebo, upadacitinib 15 mg, and 30 mg group, respectively. The number of “Without prior biologic failure” patients are 68, 77, and 81 in the placebo, upadacitinib 15 mg, and 30 mg group, respectively.

*p <0.001, adjusted treatment difference (95% CI)

a Per aMS: SFS ≤ 1 and not greater than baseline, RBS = 0, ES ≤ 1 without friability

b Clinical remission per aMS at Week 52 among patients who achieved clinical remission at the end of induction treatment.

c Clinical remission per aMS at Week 52 and corticosteroid-free for ≥90 days immediately preceding Week 52 among patients who achieved clinical remission at the end of the induction treatment.

d ES ≤ 1 without friability

e ES ≤ 1 without friability and Geboes score ≤ 3.1 (indicating neutrophil infiltration in <5% of crypts, no crypt destruction and no erosions, ulcerations or granulation tissue).

f ES = 0, Geboes score < 2 (indicating no neutrophil in crypts or lamina propria and no increase in eosinophil, no crypt destruction, and no erosions, ulcerations or granulation tissue).

Disease symptoms

Symptomatic remission per paMS, defined as SFS ≤ 1 and RBS = 0, was achieved over time through week 52 in more patients treated with both upadacitinib 15 mg and 30 mg once daily compared with placebo (Figure 2).
Figure 2 Proportion of patients with symptomatic remission per partial adapted Mayo score over time in maintenance study UC-3

Endoscopic assessment

Endoscopic remission (normalisation of the endoscopic appearance of the mucosa) was defined as ES of 0. At week 8, a significantly greater proportion of patients treated with upadacitinib 45 mg once daily compared to placebo achieved endoscopic remission (UC-1: 13.7% vs 1.3%, UC-2: 18.2% vs 1.7%). In UC-3, a significantly greater proportion of patients treated with upadacitinib 15 mg and 30 mg once daily compared to placebo achieved endoscopic remission at week 52 (24.2% and 25.9% vs 5.6%). Maintenance of mucosal healing at week 52 (ES ≤1 without friability) was seen in a significantly greater proportion of patients treated with upadacitinib 15 mg and 30 mg once daily compared to placebo (61.6% and 69.5% vs 19.2%) among patients who achieved mucosal healing at the end of induction.

Quality of life

Patients treated with upadacitinib demonstrated significantly greater and clinically meaningful improvement in health-related quality of life measured by the Inflammatory Bowel Disease Questionnaire (IBDQ) total score compared to placebo. Improvements were seen in all 4 domain scores: systemic symptoms (including fatigue), social function, emotional function and bowel symptoms (including abdominal pain and bowel urgency). Changes in IBDQ total score at week 8 from baseline with upadacitinib 45 mg once daily compared to placebo were 55.3 and 21.7 in UC-1 and 52.2 and 21.1 in UC-2, respectively. Changes in IBDQ total score at week 52 from baseline were 49.2, 58.9 and 17.9 in patients treated with upadacitinib 15 mg, 30 mg once daily and placebo, respectively.

Crohn’s disease

The efficacy and safety of upadacitinib was evaluated in three multicenter, double-blind, placebo-controlled Phase 3 studies: two induction studies, CD-1 (U-EXCEED) and CD-2 (U-EXCEL), followed by a 52-week maintenance treatment and long-term extension study, CD-3 (U-ENDURE). The co-primary endpoints were clinical remission and endoscopic response at week 12 for CD-1 and CD-2, and at week 52 for CD-3.

Enrolled patients were 18 to 75 years of age with moderately to severely active Crohn’s disease (CD), defined as an average daily very soft or liquid stool frequency (SF) ≥ 4 and/or average daily abdominal pain score (APS) ≥ 2, and a centrally-reviewed Simple Endoscopic Score for CD (SES-CD) of ≥ 6, or
≥ 4 for isolated ileal disease, excluding the narrowing component. Patients with symptomatic bowel strictures were excluded from CD studies.

**Induction studies (CD-1 and CD-2)**

In CD-1 and CD-2, 1021 patients (495 and 526 patients, respectively) were randomised to upadacitinib 45 mg once daily or placebo for 12 weeks with a 2:1 treatment allocation ratio.

In CD-1, all patients had inadequate response or were intolerant to treatment with one or more biologic therapies (prior biologic failure). Of these patients, 61% (301/495) had inadequate response or were intolerant to two or more biologic therapies.

In CD-2, 45% (239/526) patients had an inadequate response or were intolerant to treatment with one or more biologic therapies (prior biologic failure), and 55% (287/526) had an inadequate response or were intolerant to treatment with conventional therapies but not to biologic therapy (without prior biologic failure).

At baseline in CD-1 and CD-2, 34% and 36% of patients received corticosteroids, 7% and 3% of patients received immunomodulators, and 15% and 25% of patients received aminosalicylates.

In both studies, patients receiving corticosteroids at baseline initiated a corticosteroid taper regimen starting at week 4.

Both studies included a 12-week extended treatment period with upadacitinib 30 mg once daily for patients who received upadacitinib 45 mg once daily and did not achieve clinical response per SF/APS (≥ 30% decrease in average daily very soft or liquid SF and/or ≥ 30% decrease in average daily APS and neither greater than baseline) at week 12.

**Clinical disease activity and symptoms**

In CD-1 and CD-2, a significantly greater proportion of patients treated with upadacitinib 45 mg achieved the co-primary endpoint of clinical remission at week 12 compared to placebo (Table 16). Onset of efficacy was rapid and achieved as early as week 2 (Table 16).

In both studies, patients receiving upadacitinib 45 mg experienced significantly greater improvement from baseline in fatigue, as measured by FACIT-F score at week 12 compared to placebo.

**Endoscopic assessment**

In CD-1 and CD-2, a significantly greater proportion of patients treated with upadacitinib 45 mg achieved the co-primary endpoint of endoscopic response at week 12 compared to placebo (Table 16). In CD-1 and CD-2, a greater proportion of patients treated with upadacitinib 45 mg (14% and 19%, respectively) compared to placebo (0% and 5%, respectively) achieved SES-CD 0-2.

**Table 16 Proportion of patients meeting primary and additional efficacy endpoints in induction studies CD-1 and CD-2**

<table>
<thead>
<tr>
<th>Study</th>
<th>CD-1 (U-EXCEED)</th>
<th>CD-2 (U-EXCEL)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Treatment Group</td>
<td></td>
</tr>
<tr>
<td></td>
<td>PBO N=171</td>
<td>UPA 45 mg N=324</td>
</tr>
<tr>
<td>Co-Primary Endpoints at Week 12</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical remissiona</td>
<td>14%</td>
<td>40%</td>
</tr>
<tr>
<td>Prior biologic failure</td>
<td>N=78</td>
<td>N=161</td>
</tr>
</tbody>
</table>

*Significant at p<0.05.
<table>
<thead>
<tr>
<th></th>
<th>14%</th>
<th>47%</th>
<th>(22, 44)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Without prior biologic failure</td>
<td>N=98</td>
<td>N=189</td>
<td>29% 54%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(14, 37)</td>
</tr>
<tr>
<td>Endoscopic response b</td>
<td>4%</td>
<td>35%</td>
<td>(25, 37)</td>
</tr>
<tr>
<td>Prior biologic failure</td>
<td>N=78</td>
<td>N=161</td>
<td>9% 38%</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>(19, 39)</td>
</tr>
<tr>
<td>Without prior biologic failure</td>
<td>N=98</td>
<td>N=189</td>
<td>16% 52%</td>
</tr>
<tr>
<td></td>
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<td>(25, 46)</td>
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</table>

### Additional Endpoints at Week 12

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<tr>
<th></th>
<th>21%</th>
<th>39%</th>
<th>18% (10, 26)</th>
<th>29%</th>
<th>49%</th>
<th>21% (13, 29) *</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clinical remission per CDAI c</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Clinical response (CR-100) d</td>
<td>27%</td>
<td>51%</td>
<td>23% (14, 31) *</td>
<td>37%</td>
<td>57%</td>
<td>20% (11, 28) *</td>
</tr>
<tr>
<td>Corticosteroid-free clinical remission e,e</td>
<td>N=60</td>
<td>N=108</td>
<td>7% 37%</td>
<td>30% (19, 41) *</td>
<td>N=64</td>
<td>N=126</td>
</tr>
<tr>
<td>Endoscopic remission f</td>
<td>2%</td>
<td>19%</td>
<td>17% (12, 22) *</td>
<td>7%</td>
<td>29%</td>
<td>22% (16, 28) *</td>
</tr>
<tr>
<td>Mucosal healing g</td>
<td>N=171</td>
<td>N=322</td>
<td>17% (13, 21) ***</td>
<td>N=174</td>
<td>N=349</td>
<td>20% (14, 25) ***</td>
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### Early Onset Endpoints

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<tr>
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<th>9%</th>
<th>32%</th>
<th>23% (17, 30)</th>
<th>15%</th>
<th>36%</th>
<th>21% (14, 28) *</th>
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</thead>
<tbody>
<tr>
<td>Clinical remission at Week 4 a</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>CR-100 at Week 2 d</td>
<td>12%</td>
<td>33%</td>
<td>21% (14, 28)</td>
<td>20%</td>
<td>32%</td>
<td>12% (4, 19) **</td>
</tr>
</tbody>
</table>

Abbreviation: PBO = placebo, UPA = upadacitinib

* p < 0.001, adjusted treatment difference (95% CI)
** p < 0.01, adjusted treatment difference (95% CI)
*** nominal p < 0.001 UPA vs PBO comparison, adjusted treatment difference (95% CI)

a Average daily SF ≤ 2.8 and APS ≤ 1.0 and neither greater than baseline
b Decrease in SES-CD > 50% from baseline of the induction study (or for patients with an SES-CD of 4 at baseline of the induction study, at least a 2-point reduction from baseline of the induction study)
c CDAI < 150
d Decrease of at least 100 points in CDAI from baseline
e Discontinuation of steroid and achievement of clinical remission among patients on steroid at baseline
f SES-CD ≤ 4 and at least a 2-point reduction versus baseline and no subscore > 1 in any individual variable
g SES-CD ulcerated surface subscore of 0 in patients with SES-CD ulcerated surface subscore ≥ 1 at baseline

### Maintenance study (CD-3)

The efficacy analysis for CD-3 evaluated 502 patients who achieved clinical response per SF/APS with the 12-week upadacitinib 45 mg once daily induction treatment. Patients were re-randomised to receive a maintenance regimen of either upadacitinib 15 mg or 30 mg once daily or placebo for 52 weeks.

### Clinical disease activity and symptoms

A significantly greater proportion of patients treated with upadacitinib 15 mg and 30 mg achieved the co-primary endpoint of clinical remission at week 52 compared to placebo (Figure 3, Table 17).
Patients receiving upadacitinib 30 mg experienced significantly greater improvement from baseline in fatigue, as measured by FACIT-F score at week 52 compared to placebo.

Table 17 Proportion of patients meeting primary and additional efficacy endpoints at week 52 in maintenance study CD-3

<table>
<thead>
<tr>
<th>Treatment Group</th>
<th>PBO+ N=165</th>
<th>UPA 15 mg QD N=169</th>
<th>UPA 30 mg QD N=168</th>
<th>Treatment Difference 15 mg vs PBO (95% CI)</th>
<th>Treatment Difference 30 mg vs PBO (95% CI)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Co-Primary Endpoints</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical remissiona</td>
<td>14%</td>
<td>36%</td>
<td>46%</td>
<td>22% (14, 30)*</td>
<td>32% (23, 40)*</td>
</tr>
<tr>
<td>Prior biologic failure</td>
<td>N=126 9%</td>
<td>N=124 32%</td>
<td>N=127 43%</td>
<td>24% (14, 33)</td>
<td>34% (24, 44)</td>
</tr>
<tr>
<td>Without prior biologic failure</td>
<td>N=39 33%</td>
<td>N=45 44%</td>
<td>N=41 59%</td>
<td>12% (-9, 33)</td>
<td>26% (5, 47)</td>
</tr>
<tr>
<td><strong>Endoscopic responseb</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prior biologic failure</td>
<td>N=126 4%</td>
<td>N=124 23%</td>
<td>N=127 39%</td>
<td>19% (11, 27)</td>
<td>35% (26, 44)</td>
</tr>
<tr>
<td>Without prior biologic failure</td>
<td>N=39 18%</td>
<td>N=45 40%</td>
<td>N=41 44%</td>
<td>22% (3, 41)</td>
<td>26% (7, 45)</td>
</tr>
<tr>
<td><strong>Additional Endpoints</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clinical remission per CDAIc</td>
<td>15%</td>
<td>37%</td>
<td>48%</td>
<td>24% (15, 32)*</td>
<td>33% (24, 42)*</td>
</tr>
<tr>
<td>Clinical response (CR-100)d</td>
<td>15%</td>
<td>41%</td>
<td>51%</td>
<td>27% (18, 36)*</td>
<td>36% (28, 45)*</td>
</tr>
<tr>
<td>Corticosteroid-free clinical remissionae</td>
<td>14%</td>
<td>35%</td>
<td>45%</td>
<td>21% (13, 30)*</td>
<td>30% (21, 39)*</td>
</tr>
<tr>
<td>Maintenance of clinical remissionae</td>
<td>N=101 20%</td>
<td>N=105 50%</td>
<td>N=105 60%</td>
<td>32% (20, 44)*</td>
<td>40% (28, 52)*</td>
</tr>
<tr>
<td>Endoscopic remissiong</td>
<td>5%</td>
<td>19%</td>
<td>29%</td>
<td>14% (8, 21)*</td>
<td>24% (16, 31)*</td>
</tr>
<tr>
<td>Mucosal healingh</td>
<td>N=164</td>
<td>N=167</td>
<td>N=168</td>
<td>10%</td>
<td>21%</td>
</tr>
</tbody>
</table>
The placebo group consisted of patients who achieved clinical response per SF/APS with upadacitinib 45 mg at the end of the induction study and were randomised to receive placebo at the start of maintenance therapy.

**p < 0.001, adjusted treatment difference (95% CI)**

***p < 0.01, adjusted treatment difference (95% CI)**

**Nominal p < 0.001 UPA vs PBO comparison, adjusted treatment difference (95% CI)**

\[a\] Average daily SF ≤ 2.8 and APS ≤ 1.0 and neither greater than baseline

\[b\] Decrease in SES-CD > 50% from baseline of the induction study (or for patients with an SES-CD of 4 at baseline of the induction study, at least a 2-point reduction from baseline of the induction study)

\[c\] CDAI < 150

\[d\] Reduction of CDAI ≥ 100 points from baseline

\[e\] Corticosteroid-free for 90 days prior to week 52 and achievement of clinical remission. Among the subset of patients who were on corticosteroids at induction baseline, 38% (N=63) in upadacitinib 15 mg group, 38% (N=63) in upadacitinib 30 mg group, and 5% (N=61) in placebo were corticosteroid-free for 90 days prior to week 52 and in clinical remission

\[f\] Defined as achievement of clinical remission at Week 52 in patients who achieved clinical remission at the entry of the maintenance study

\[g\] SES-CD ≤ 4 and at least a 2-point reduction versus baseline and no subscore >1 in any individual variable

\[h\] SES-CD ulcerated surface subscore of 0 in patients with SES-CD ulcerated surface subscore ≥ 1 at baseline

\[i\] Clinical remission and endoscopic remission

Patients who were not in clinical response per SF/APS to upadacitinib induction at week 12 in CD-1 and CD-2 (122 patients) received upadacitinib 30 mg once daily for an additional 12 weeks. Of these patients, 53% achieved clinical response at week 24. Of the patients who responded to the extended treatment period and continued to receive maintenance treatment with upadacitinib 30 mg, 25% achieved clinical remission and 22% achieved endoscopic response at week 52.

**Endoscopic assessment**

In CD-3, a significantly greater proportion of patients treated with upadacitinib 15 mg and 30 mg achieved the co-primary endpoint of endoscopic response at week 52 compared to placebo (Table 17). In addition to the endoscopic endpoints described in Table 17, a greater proportion of patients treated with upadacitinib 15 mg and 30 mg (11% and 21%, respectively) compared to placebo (3%) achieved SES-CD 0-2 at week 52. Corticosteroid-free endoscopic remission among patients on steroid at baseline was achieved in a greater proportion of patients treated with upadacitinib 15 mg and 30 mg (17% and 25%, respectively) compared to placebo (3%) at week 52.

**Resolution of extra-intestinal manifestations**

Resolution of extra-intestinal manifestations was observed in a greater proportion of patients treated with upadacitinib 15 mg (25%) and a significantly greater proportion of patients treated with upadacitinib 30 mg (36%) compared to placebo (15%) at week 52.

**Rescue treatment**

In CD-3, patients who demonstrated inadequate response or lost response during maintenance were eligible to receive rescue treatment with upadacitinib 30 mg. Of the patients who were randomised to upadacitinib 15 mg group and received rescue treatment of upadacitinib 30 mg for at least 12 weeks,
84% (76/90) achieved clinical response per SF/APS and 48% (43/90) achieved clinical remission 12 weeks after initiating rescue.

**Health-related quality of life outcomes**

Patients treated with upadacitinib achieved greater improvement in health-related quality of life (HRQOL) measured by the Inflammatory Bowel Disease Questionnaire (IBDQ) total score compared to placebo. Improvements were seen in all 4 domain scores: systemic symptoms (including fatigue) and bowel symptoms (including abdominal pain and bowel urgency), as well as social and emotional functioning. Changes from baseline in IBDQ total score at week 12 with upadacitinib 45 mg once daily compared to placebo were 46.0 and 21.6 in CD-1 and 46.3 and 24.4 in CD-2, respectively. Changes in IBDQ total score at week 52 from baseline were 59.3, 64.5 and 46.4 in patients treated with upadacitinib 15 mg, 30 mg once daily and placebo, respectively.

**Paediatric population**

A total of 344 adolescents aged 12 to 17 years with moderate to severe atopic dermatitis were randomised across the three Phase 3 studies to receive either 15 mg (N=114) or 30 mg (N=114) upadacitinib or matching placebo (N=116), in monotherapy or combination with topical corticosteroids. Efficacy was consistent between the adolescents and adults. The safety profile in adolescents was generally similar to that in adults, with dose-dependent increases in the rate of some adverse events, including neutropaenia and herpes zoster. At both doses, the rate of neutropaenia was slightly increased in adolescents compared to adults. The rate of herpes zoster in adolescents at the 30 mg dose was comparable to that in adults. The safety and efficacy of the 30 mg dose in adolescents are still being investigated.

**Table 18 Efficacy results of upadacitinib for adolescents at week 16**

<table>
<thead>
<tr>
<th>Study</th>
<th>MEASURE UP 1</th>
<th>MEASURE UP 2</th>
<th>AD UP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Treatment Group</td>
<td>PBO</td>
<td>UPA 15 mg</td>
<td>PBO</td>
</tr>
<tr>
<td>Number of adolescent subjects randomised</td>
<td>40</td>
<td>42</td>
<td>36</td>
</tr>
<tr>
<td>% responders (95% CI)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>vIgA-AD 0/1</td>
<td>8 (0.16)</td>
<td>38 (23,53)</td>
<td>3 (0.8)</td>
</tr>
<tr>
<td>EASI 75</td>
<td>8 (0.17)</td>
<td>71 (58,85)</td>
<td>14 (3.25)</td>
</tr>
<tr>
<td>Worst Pruritus NRS (≥ 4-point improvement)</td>
<td>15 (4.27)</td>
<td>45 (30,60)</td>
<td>3 (0.8)</td>
</tr>
</tbody>
</table>

Abbreviations: UPA= upadacitinib (RINVOQ); PBO = placebo

Subjects with rescue medication or with missing data were counted as non-responders.

* Based on number of subjects randomised

* Responder was defined as a patient with vIgA-AD 0 or 1 (“clear” or “almost clear”) with a reduction of ≥ 2 points on a 0-4 ordinal scale.

* Results shown in subset of patients eligible for assessment (patients with Worst Pruritus NRS ≥ 4 at baseline).

The European Medicines Agency has deferred the obligation to submit the results of studies with RINVOQ in one or more subsets of the paediatric population in chronic idiopathic arthritis (including
rheumatoid arthritis, psoriatic arthritis, spondyloarthritis and juvenile idiopathic arthritis) atopic dermatitis, ulcerative colitis, and Crohn’s disease (see section 4.2 for information on paediatric use).

5.2 Pharmacokinetic properties

Upadacitinib plasma exposures are proportional to dose over the therapeutic dose range. Steady-state plasma concentrations are achieved within 4 days with minimal accumulation after multiple once daily administrations.

Absorption

Following oral administration of upadacitinib prolonged-release formulation, upadacitinib is absorbed with a median $t_{\text{max}}$ of 2 to 4 hours. Coadministration of upadacitinib with a high-fat meal had no clinically relevant effect on upadacitinib exposures (increased AUC by 29% and $C_{\text{max}}$ by 39% to 60%). In clinical trials, upadacitinib was administered without regard to meals (see section 4.2). *In vitro*, upadacitinib is a substrate for the efflux transporters P-gp and BCRP.

Distribution

Upadacitinib is 52% bound to plasma proteins. Upadacitinib partitions similarly between plasma and blood cellular components, as indicated by the blood to plasma ratio of 1.0.

Metabolism

Upadacitinib metabolism is mediated by CYP3A4 with a potential minor contribution from CYP2D6. The pharmacologic activity of upadacitinib is attributed to the parent molecule. In a human radiolabeled study, unchanged upadacitinib accounted for 79% of the total radioactivity in plasma while the main metabolite (product of monooxidation followed by glucuronidation) accounted for 13% of the total plasma radioactivity. No active metabolites have been identified for upadacitinib.

Elimination

Following single dose administration of $^{14}$C-upadacitinib immediate-release solution, upadacitinib was eliminated predominantly as the unchanged parent substance in urine (24%) and faeces (38%). Approximately 34% of upadacitinib dose was excreted as metabolites. Upadacitinib mean terminal elimination half-life ranged from 9 to 14 hours.

Special populations

Renal impairment

Upadacitinib AUC was 18%, 33%, and 44% higher in subjects with mild (estimated glomerular filtration rate 60 to 89 ml/min/1.73 m$^2$), moderate (estimated glomerular filtration rate 30 to 59 ml/min/1.73 m$^2$), and severe (estimated glomerular filtration rate 15 to 29 ml/min/1.73 m$^2$) renal impairment, respectively, compared to subjects with normal renal function. Upadacitinib $C_{\text{max}}$ was similar in subjects with normal and impaired renal function. Mild or moderate renal impairment has no clinically relevant effect on upadacitinib exposure (see section 4.2).

Hepatic impairment

Mild (Child-Pugh A) and moderate (Child-Pugh B) hepatic impairment has no clinically relevant effect on upadacitinib exposure. Upadacitinib AUC was 28% and 24% higher in subjects with mild and moderate hepatic impairment, respectively, compared to subjects with normal liver function. Upadacitinib $C_{\text{max}}$ was unchanged in subjects with mild hepatic impairment and 43% higher in subjects with moderate hepatic impairment compared to subjects with normal liver function. Upadacitinib was not studied in patients with severe (Child-Pugh C) hepatic impairment.
Paediatric population

The pharmacokinetics of upadacitinib have not yet been evaluated in paediatric patients with rheumatoid arthritis, psoriatic arthritis, axial spondyloarthritis, ulcerative colitis, and Crohn’s disease (see section 4.2).

Upadacitinib pharmacokinetics and steady-state concentrations are similar for adults and adolescents 12 to 17 years of age with atopic dermatitis. The posology in adolescent patients 30 kg to < 40 kg was determined using population pharmacokinetic modelling and simulation.

The pharmacokinetics of upadacitinib in paediatric patients (< 12 years of age) with atopic dermatitis have not been established.

Intrinsic factors

Age, sex, body weight, race, and ethnicity did not have a clinically meaningful effect on upadacitinib exposure. Upadacitinib pharmacokinetics are consistent between rheumatoid arthritis, psoriatic arthritis, axial spondyloarthritis, atopic dermatitis, ulcerative colitis, and Crohn’s disease patients.

5.3 Preclinical safety data

Non-clinical data reveal no special hazard for humans based on conventional studies of safety pharmacology.

Upadacitinib, at exposures (based on AUC) approximately 4 and 10 times the clinical dose of 15 mg, 2 and 5 times the clinical dose of 30 mg, and 1.7 and 4 times the clinical dose of 45 mg in male and female Sprague-Dawley rats, respectively, was not carcinogenic in a 2-year carcinogenicity study in Sprague-Dawley rats. Upadacitinib was not carcinogenic in a 26-week carcinogenicity study in CByB6F1-Tg(HRAS)2Jic transgenic mice.

Upadacitinib was not mutagenic or genotoxic based on the results of in vitro and in vivo tests for gene mutations and chromosomal aberrations.

Upadacitinib had no effect on fertility in male or female rats at exposures up to approximately 17 and 34 times the maximum recommended human dose (MRHD) of 45 mg in males and females, respectively, on an AUC basis in a fertility and early embryonic development study. Dose-related increases in foetal resorptions associated with post-implantation losses in this fertility study in rats were attributed to the developmental/teratogenic effects of upadacitinib. No adverse effects were observed at exposures below clinical exposure (based on AUC). Post-implantation losses were observed at exposures 9 times the clinical exposure at the MRHD of 45 mg (based on AUC).

In animal embryo-foetal development studies, upadacitinib was teratogenic in both rats and rabbits. Upadacitinib resulted in increases in skeletal malformations in rats at 1.6, 0.8, and 0.6 times the clinical exposure (AUC-based) at the 15, 30, and 45 mg (MRHD) doses, respectively. In rabbits an increased incidence of cardiovascular malformations was observed at 15, 7.6, and 6 times the clinical exposure at the 15, 30, and 45 mg doses (AUC-based), respectively.

Following administration of upadacitinib to lactating rats, the concentrations of upadacitinib in milk over time generally paralleled those in plasma, with approximately 30-fold higher exposure in milk relative to maternal plasma. Approximately 97% of upadacitinib-related material in milk was the parent molecule, upadacitinib.

6. PHARMACEUTICAL PARTICULARS

6.1 List of excipients
Tablet contents

Microcrystalline cellulose
Hypermellose
Mannitol
Tartaric acid
Silica, colloidal anhydrous
Magnesium stearate

Film coating

Poly(vinyl alcohol)
Macrogol
Talc
Titanium dioxide (E171)
Iron oxide black (E172) (15 mg strength only)
Iron oxide red (E172)
Iron oxide yellow (E172) (45 mg strength only)

6.2 Incompatibilities

Not applicable.

6.3 Shelf life

RINVOQ 15 mg prolonged-release tablets

Prolonged-release tablets in blisters: 2 years
Prolonged-release tablets in bottles: 3 years

RINVOQ 30 mg prolonged-release tablets

Prolonged-release tablets in blisters: 2 years
Prolonged-release tablets in bottles: 3 years

RINVOQ 45 mg prolonged-release tablets

2 years

6.4 Special precautions for storage

This medicinal product does not require any special temperature storage conditions.

Store in the original blister or bottle in order to protect from moisture. Keep the bottle tightly closed.

6.5 Nature and contents of container

RINVOQ 15 mg prolonged-release tablets

Polyvinylchloride/polyethylene/polychlorotrifluoroethylene - aluminium calendar blisters in packs containing 28 or 98 prolonged-release tablets, or multipacks containing 84 (3 packs of 28) prolonged-release tablets.

HDPE bottles with desiccant and polypropylene cap in carton containing 30 prolonged-release tablets. Pack size: 1 bottle (30 prolonged-release tablets) or 3 bottles (90 prolonged-release tablets).

Not all pack sizes may be marketed.
RINVOQ 30 mg prolonged-release tablets
Polyvinylchloride/polyethylene/polychlorotrifluoroethylene - aluminium calendar blisters in packs containing 28 or 98 prolonged-release tablets.

HDPE bottles with desiccant and polypropylene cap in carton containing 30 prolonged-release tablets.
Pack size: 1 bottle (30 prolonged-release tablets) or 3 bottles (90 prolonged-release tablets).
Not all pack sizes may be marketed.

RINVOQ 45 mg prolonged-release tablets
Polyvinylchloride/polyethylene/polychlorotrifluoroethylene - aluminium calendar blisters in packs containing 28 prolonged-release tablets.

HDPE bottles with desiccant and polypropylene cap in carton containing 28 prolonged-release tablets.
Not all pack sizes may be marketed.

6.6 Special precautions for disposal
Any unused medicinal product or waste material should be disposed of in accordance with local requirements.

7. MARKETING AUTHORISATION HOLDER
AbbVie Deutschland GmbH & Co. KG
Knollstrasse
67061 Ludwigshafen
Germany

8. MARKETING AUTHORISATION NUMBER(S)
EU/1/19/1404/001
EU/1/19/1404/002
EU/1/19/1404/003
EU/1/19/1404/004
EU/1/19/1404/005
EU/1/19/1404/006
EU/1/19/1404/007
EU/1/19/1404/008
EU/1/19/1404/009
EU/1/19/1404/010
EU/1/19/1404/011

9. DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION
Date of first authorisation: 16 December 2019
10. DATE OF REVISION OF THE TEXT

Detailed information on this medicinal product is available on the website of the European Medicines Agency http://www.ema.europa.eu.
ANNEX II

A. MANUFACTURER(S) RESPONSIBLE FOR BATCH RELEASE

B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE

C. OTHER CONDITIONS AND REQUIREMENTS OF THE MARKETING AUTHORISATION

D. CONDITIONS OR RESTRICTIONS WITH REGARD TO THE SAFE AND EFFECTIVE USE OF THE MEDICINAL PRODUCT
A. MANUFACTURER(S) RESPONSIBLE FOR BATCH RELEASE

Name and address of the manufacturers responsible for batch release

AbbVie S.r.l.
148, Pontina Km 52 snc
04011
Campoverde di Aprilia (LT)
ITALY

And

AbbVie Logistics B.V
Zuiderzeelaan 53
8017 JV Zwolle
NETHERLANDS

The printed package leaflet of the medicinal product must state the name and address of the manufacturer responsible for the release of the concerned batch.

B. CONDITIONS OR RESTRICTIONS REGARDING SUPPLY AND USE

Medicinal product subject to restricted medical prescription (see Annex I: Summary of Product Characteristics, section 4.2).

C. OTHER CONDITIONS AND REQUIREMENTS OF THE MARKETING AUTHORISATION

- Periodic safety update reports (PSURs)

The requirements for submission of PSURs for this medicinal product are set out in the list of Union reference dates (EURD list) provided for under Article 107c(7) of Directive 2001/83/EC and any subsequent updates published on the European medicines web-portal.

D. CONDITIONS OR RESTRICTIONS WITH REGARD TO THE SAFE AND EFFECTIVE USE OF THE MEDICINAL PRODUCT

- Risk management plan (RMP)

The MAH shall perform the required pharmacovigilance activities and interventions detailed in the agreed RMP presented in Module 1.8.2 of the marketing authorisation and any agreed subsequent updates of the RMP.

An updated RMP should be submitted:

- At the request of the European Medicines Agency;
- Whenever the risk management system is modified, especially as the result of new information being received that may lead to a significant change to the benefit/risk profile or as the result of an important (pharmacovigilance or risk minimisation) milestone being reached.

- Additional risk minimisation measures

Prior to launch of RINVOQ in each Member State the Marketing Authorisation Holder (MAH) must agree about the content and format of the educational programme, including
communication media, distribution modalities, and any other aspects of the programme, with
the National Competent Authority.

The objective of the programme is to increase awareness of HCPs and patients on the risks of
serious and opportunistic infections including TB, herpes zoster, foetal malformation
(pregnancy risk), MACE, VTE, and malignancy and how to manage these risks.

The MAH shall ensure that in each Member State where RINVOQ is marketed, all healthcare
professionals and patients/carers who are expected to prescribe, dispense or use RINVOQ have
access to/are provided with the following educational package:

**The physician educational material** should contain:
- The Summary of Product Characteristics
- Guide for healthcare professionals
- Patient card

**The Guide for healthcare professionals** shall contain the following key elements:
- General introductory language that the HCP measure contains important information to
  assist the discussion with patients when prescribing upadacitinib. The brochure also
  informs on steps which can be taken to reduce a patient's risk for key safety aspects of
  upadacitinib.
- Indication and posology statements provided to reinforce in whom upadacitinib should be
  used
- Use in patients 65 years of age and older
  - Language to reinforce risks in these patients and use of the 15 mg dose
- Language for HCPs to inform patients of the importance of the patient card
- **Risk of serious and opportunistic infections including TB**
  - Language on the risk of infections during treatment with upadacitinib
  - Language on increased risk of serious infections in patients 65 years of age and
    older
  - Details on how to reduce the risk of infection with specific clinical measures
    (what laboratory parameters should be used to initiate upadacitinib, screening
    for tuberculosis (TB), and getting patients immunised as per local guidelines,
    and interruption of upadacitinib if an infection develops)
  - Language on avoidance of live vaccines (i.e., Zostavax) prior to and during
    upadacitinib treatment
  - Details to advise patients on signs/symptoms of infection to be aware of, so that
    patients can seek medical attention quickly.
- **Risk of herpes zoster**
  - Language on the risk of herpes zoster during treatment with upadacitinib
  - Details to advise patients on signs/symptoms of infection to be aware of, so that
    patients can seek medical attention quickly.
- **Risk of foetal malformation**
  - Language on teratogenicity of upadacitinib in animals
  - Details on how to reduce the risk of exposure during pregnancy for female
    patients of childbearing potential based on the following: upadacitinib is
    contraindicated during pregnancy, female patients of childbearing potential
    should be advised to use effective contraception both during treatment and for 4
    weeks after the final dose of upadacitinib treatment, and to advise patients to
    inform their HCP immediately if they think they could be pregnant or if
    pregnancy is confirmed.
- **Risk of MACE**
  - In patients at high risk for MACE upadacitinib should only be used if no
    suitable treatment alternatives are available, with examples of who may be at
    high risk.
  - Language on the risk of hyperlipidaemia during upadacitinib therapy
Details on monitoring of lipid levels and management of elevated lipid levels per clinical guidelines

- **Risk of VTE**
  - Examples of the risk factors which may put a patient at higher risk for venous thromboembolic event (VTE) and in whom caution is needed when using upadacitinib.
  - Use of caution in patients at high risk during treatment with upadacitinib.
  - Language that patients should be periodically reevaluated for changes in VTE risk.
  - Language on need for discontinuation of upadacitinib, evaluation, and appropriate treatment for VTE if clinical features of deep venous thrombosis or pulmonary embolism develop.

- **Risk of Malignancy**
  - In patients at high risk for malignancy upadacitinib should only be used if no suitable treatment alternatives are available, with examples of who may be at high risk.
  - Reminder about the need for periodic skin examination for patients.

- **Risk of gastrointestinal perforation**
  - Upadacitinib should be used with caution in patients at risk for gastrointestinal perforation with examples of those who may be at risk.
  - Reminder that patients presenting with new onset abdominal signs and symptoms should be evaluated promptly for early identification of diverticulitis or gastrointestinal perforation.

**Information for upadacitinib use in moderate to severe AD**

**The 30 mg upadacitinib dose in atopic dermatitis**
- Language on dose-dependent increase in serious infections and herpes zoster with upadacitinib.
- Language on dose-dependent increase in NMSC and malignancy.
- Language on dose-dependent increase in plasma lipids with upadacitinib.
- Language that the 30 mg dose is not recommended in certain populations (patients with severe renal impairment and patients taking strong CYP3A4 inhibitors).
- Language to reinforce that the lowest effective dose of upadacitinib should be used for treatment.

**Upadacitinib use in adolescents 12 years and older**
- Reminder that live, attenuated vaccines (ie. varicella, MMR, BCG) which depending on local guidelines may be considered in adolescents. Language not to administer these vaccines immediately prior to or during upadacitinib treatment.
- Language to remind adolescents of the potential pregnancy risks and on the appropriate use of effective contraception.
- Language that if their adolescent patient has not experienced menarche, to inform their adolescent patient or caregiver to let them know when they do.

**Information for upadacitinib use in moderate to severe ulcerative colitis (UC) or Crohn’s disease (CD)**
- Reminder to review induction and maintenance dosing in product labeling.
- Language on dose-dependent increase in serious infections and herpes zoster with upadacitinib.
- Language on dose-dependent increase in NMSC and malignancy.
- Reminder about induction and maintenance dose in certain populations (patients taking strong CYP3A4 inhibitors and severe renal impairment).
• Language to reinforce that the lowest effective dose of upadacitinib should be used for maintenance treatment

Instructions on where to report AEs will be included. Instructions for how to access digital HCP information will be included, if applicable.

The patient information pack should contain:
• Patient information leaflet
• A patient card

• The patient card shall contain the following key messages:
  o Contact details of the upadacitinib prescriber
  o Language that the patient card should be carried by the patient at any time and to share it with HCPs involved in their care (i.e., non-upadacitinib prescribers, emergency room HCPs, etc.)
  o Description of signs/symptoms of infections the patient needs to be aware of, so that they can seek attention from their HCP:
    • Language to advise patients and their HCPs about the risk of live vaccinations when given during upadacitinib therapy. Examples of live vaccines are provided.
  o Description of targeted risks for awareness by the patient and for HCPs involved in their care including:
    • Risk of heart disease:
      o Describe signs/symptoms of heart disease that the patient needs to be aware of, so that they can seek attention from their HCP
  o A reminder to use contraception, that upadacitinib is contraindicated during pregnancy, and to notify their HCPs if they become pregnant while taking upadacitinib
  o Description of signs/symptoms of deep venous thrombosis or pulmonary embolism which the patient needs to be aware of, so that they can seek attention from an HCP
  o Reminder of the risk of cancer. Regarding skin cancer reminder to let their doctor know if they notice any new growth on the skin.
  o Risk of a hole in the bowel – description of signs/symptoms which the patient needs to be aware of, so that they can seek attention from an HCP
ANNEX III

LABELLING AND PACKAGE LEAFLET
A. LABELLING
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Blister Carton (Individual carton)

1. **NAME OF THE MEDICINAL PRODUCT**

   RINVOQ 15 mg prolonged-release tablets
   upadacitinib

2. **STATEMENT OF ACTIVE SUBSTANCE(S)**

   Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib.

3. **LIST OF EXCIPIENTS**

4. **PHARMACEUTICAL FORM AND CONTENTS**

   28 prolonged-release tablets

5. **METHOD AND ROUTE(S) OF ADMINISTRATION**

   Read the package leaflet before use.
   Oral use
   **Do not chew, crush or break the tablet. Swallow whole.**
   QR code to be included
   For more information and support on taking RINVOQ go to www.rinvoq.eu

6. **SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN**

   Keep out of the sight and reach of children.

7. **OTHER SPECIAL WARNING(S), IF NECESSARY**

8. **EXPIRY DATE**

   EXP

9. **SPECIAL STORAGE CONDITIONS**

   Store in the original blister in order to protect from moisture.
10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE

11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

AbbVie Deutschland GmbH & Co. KG
Knollstrasse
67061 Ludwigshafen
Germany

12. MARKETING AUTHORISATION NUMBER(S)

EU/1/19/1404/001

13. BATCH NUMBER

Lot

14. GENERAL CLASSIFICATION FOR SUPPLY

15. INSTRUCTIONS ON USE

rinvoq 15 mg

16. INFORMATION IN BRAILLE

17. UNIQUE IDENTIFIER – 2D BARCODE

2D barcode carrying the unique identifier included.

18. UNIQUE IDENTIFIER - HUMAN READABLE DATA

PC
SN
NN
<table>
<thead>
<tr>
<th>PARTICULARS TO APPEAR ON THE OUTER PACKAGING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Outer carton for 84 tablet multipack (with Blue Box)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>1. NAME OF THE MEDICINAL PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RINVOQ 15 mg prolonged-release tablets upadacitinib</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. STATEMENT OF ACTIVE SUBSTANCE(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. LIST OF EXCIPIENTS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>4. PHARMACEUTICAL FORM AND CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multipack: 84 (3 packs of 28) prolonged-release tablets</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. METHOD AND ROUTE(S) OF ADMINISTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read the package leaflet before use.</td>
</tr>
<tr>
<td>Oral use</td>
</tr>
<tr>
<td>Do not chew, crush or break the tablet. Swallow whole.</td>
</tr>
<tr>
<td>QR code to be included</td>
</tr>
<tr>
<td>For more information and support on taking RINVOQ go to <a href="http://www.rinvoq.eu">www.rinvoq.eu</a></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep out of the sight and reach of children.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. OTHER SPECIAL WARNING(S), IF NECESSARY</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>8. EXPIRY DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. SPECIAL STORAGE CONDITIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Store in the original blister in order to protect from moisture.</td>
</tr>
</tbody>
</table>
10. **SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE**

11. **NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

AbbVie Deutschland GmbH & Co. KG  
Knollstrasse  
67061 Ludwigshafen  
Germany

12. **MARKETING AUTHORISATION NUMBER(S)**

EU/1/19/1404/003

13. **BATCH NUMBER**

Lot

14. **GENERAL CLASSIFICATION FOR SUPPLY**

15. **INSTRUCTIONS ON USE**

rinvoq 15 mg

16. **INFORMATION IN BRAILLE**

17. **UNIQUE IDENTIFIER – 2D BARCODE**

2D barcode carrying the unique identifier included.

18. **UNIQUE IDENTIFIER - HUMAN READABLE DATA**

PC  
SN  
NN
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Intermediate carton of 84 tablet multipack (without Blue Box)

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 15 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

28 prolonged-release tablets.
Component of a multipack, can’t be sold separately.

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP
9. SPECIAL STORAGE CONDITIONS

Store in the original blister in order to protect from moisture.

10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE

11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

AbbVie Deutschland GmbH & Co. KG
Knollstrasse
67061 Ludwigshafen
Germany

12. MARKETING AUTHORISATION NUMBER(S)

EU/1/19/1404/003

13. BATCH NUMBER

Lot

14. GENERAL CLASSIFICATION FOR SUPPLY

15. INSTRUCTIONS ON USE

16. INFORMATION IN BRAILLE

rinoq 15 mg

17. UNIQUE IDENTIFIER – 2D BARCODE

18. UNIQUE IDENTIFIER - HUMAN READABLE DATA
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Outer carton of 98 tablets

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 15 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

98 prolonged-release tablets.

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP

9. SPECIAL STORAGE CONDITIONS

Store in the original blister in order to protect from moisture.
10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE

11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

AbbVie Deutschland GmbH & Co. KG
Knollstrasse
67061 Ludwigshafen
Germany

12. MARKETING AUTHORISATION NUMBER(S)

EU/1/19/1404/005

13. BATCH NUMBER

Lot

14. GENERAL CLASSIFICATION FOR SUPPLY

15. INSTRUCTIONS ON USE

16. INFORMATION IN BRAILLE

rinoq 15 mg

17. UNIQUE IDENTIFIER – 2D BARCODE

2D barcode carrying the unique identifier included.

18. UNIQUE IDENTIFIER - HUMAN READABLE DATA

PC
SN
NN
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Inner carton of 49 tablets (for the 98 pack)

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 15 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

49 prolonged-release tablets.

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP

9. SPECIAL STORAGE CONDITIONS

Store in the original blister in order to protect from moisture.
10. **SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE**

**11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

AbbVie Deutschland GmbH & Co. KG  
Knollstrasse  
67061 Ludwigshafen  
Germany

**12. MARKETING AUTHORISATION NUMBER(S)**

EU/1/19/1404/005

**13. BATCH NUMBER**

Lot

**14. GENERAL CLASSIFICATION FOR SUPPLY**

**15. INSTRUCTIONS ON USE**

rinvoq 15 mg

**16. INFORMATION IN BRAILLE**

rinvoq 15 mg

**17. UNIQUE IDENTIFIER – 2D BARCODE**

**18. UNIQUE IDENTIFIER - HUMAN READABLE DATA**
### MINIMUM PARTICULARS TO APPEAR ON BLISTERS OR STRIPS

#### Blister

<table>
<thead>
<tr>
<th>1. NAME OF THE MEDICINAL PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RINVOQ 15 mg prolonged-release tablets upadacitinib</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. NAME OF THE MARKETING AUTHORISATION HOLDER</th>
</tr>
</thead>
<tbody>
<tr>
<td>AbbVie (as logo)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. EXPIRY DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4. BATCH NUMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lot</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. OTHER</th>
</tr>
</thead>
</table>
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Bottle Carton (30 and 90 pack)

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 15 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

30 prolonged-release tablets
90 prolonged-release tablets

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

Do not swallow the desiccant.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP
9. **SPECIAL STORAGE CONDITIONS**

Store in the original bottle and keep the bottle tightly closed in order to protect from moisture.

10. **SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE**

11. **NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

AbbVie Deutschland GmbH & Co. KG  
Knollstrasse  
67061 Ludwigshafen  
Germany

12. **MARKETING AUTHORISATION NUMBER(S)**

   EU/1/19/1404/002  
   EU/1/19/1404/004

13. **BATCH NUMBER**

   Lot

14. **GENERAL CLASSIFICATION FOR SUPPLY**

15. **INSTRUCTIONS ON USE**

16. **INFORMATION IN BRAILLE**

   rinoq 15 mg

17. **UNIQUE IDENTIFIER – 2D BARCODE**

   2D barcode carrying the unique identifier included.

18. **UNIQUE IDENTIFIER - HUMAN READABLE DATA**

   PC  
   SN  
   NN
PARTICULARS TO APPEAR ON THE INTERMEDIATE PACKAGING

Bottle Label

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 15 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

30 prolonged-release tablets

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

Do not swallow the desiccant.

Important to open

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP

9. SPECIAL STORAGE CONDITIONS

Store in the original bottle and keep the bottle tightly closed in order to protect from moisture.
10. **SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE**

11. **NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

AbbVie (as logo)

12. **MARKETING AUTHORISATION NUMBER(S)**

13. **BATCH NUMBER**

Lot

14. **GENERAL CLASSIFICATION FOR SUPPLY**

15. **INSTRUCTIONS ON USE**

16. **INFORMATION IN BRAILLE**

17. **UNIQUE IDENTIFIER – 2D BARCODE**

18. **UNIQUE IDENTIFIER - HUMAN READABLE DATA**
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Blister Carton (Individual carton)

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 30 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 30 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

28 prolonged-release tablets

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP

9. SPECIAL STORAGE CONDITIONS

Store in the original blister in order to protect from moisture.
10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE

11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

AbbVie Deutschland GmbH & Co. KG
Knollstrasse
67061 Ludwigshafen
Germany

12. MARKETING AUTHORISATION NUMBER(S)

EU/1/19/1404/006

13. BATCH NUMBER

Lot

14. GENERAL CLASSIFICATION FOR SUPPLY

15. INSTRUCTIONS ON USE

16. INFORMATION IN BRAILLE

rinvoq 30 mg

17. UNIQUE IDENTIFIER – 2D BARCODE

2D barcode carrying the unique identifier included.

18. UNIQUE IDENTIFIER - HUMAN READABLE DATA

PC
SN
NN
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Outer carton of 98 tablets

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 30 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 30 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

98 prolonged-release tablets.

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP

9. SPECIAL STORAGE CONDITIONS

Store in the original blister in order to protect from moisture.
### 10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE

### 11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

AbbVie Deutschland GmbH & Co. KG  
Knollstrasse  
67061 Ludwigshafen  
Germany

### 12. MARKETING AUTHORISATION NUMBER(S)

EU/1/19/1404/009

### 13. BATCH NUMBER

Lot

### 14. GENERAL CLASSIFICATION FOR SUPPLY

### 15. INSTRUCTIONS ON USE

**rinoq 30 mg**

### 16. INFORMATION IN BRAILLE

### 17. UNIQUE IDENTIFIER – 2D BARCODE

2D barcode carrying the unique identifier included.

### 18. UNIQUE IDENTIFIER - HUMAN READABLE DATA

PC  
SN  
NN
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Inner carton of 49 tablets (for the 98 pack)

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 30 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 30 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

49 prolonged-release tablets.

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP

9. SPECIAL STORAGE CONDITIONS

Store in the original blister in order to protect from moisture.
### 10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE

### 11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

AbbVie Deutschland GmbH & Co. KG  
Knollstrasse  
67061 Ludwigshafen  
Germany

### 12. MARKETING AUTHORISATION NUMBER(S)

EU/1/19/1404/009

### 13. BATCH NUMBER

Lot

### 14. GENERAL CLASSIFICATION FOR SUPPLY

### 15. INSTRUCTIONS ON USE

rinoq 30 mg

### 16. INFORMATION IN BRAILLE

### 17. UNIQUE IDENTIFIER – 2D BARCODE

### 18. UNIQUE IDENTIFIER - HUMAN READABLE DATA
## Minimum Particulars to Appear on Blister or Strips

### Blister

1. **Name of the Medicinal Product**

   RINVOQ 30 mg prolonged-release tablets
   upadacitinib

2. **Name of the Marketing Authorisation Holder**

   AbbVie (as logo)

3. **Expiry date**

   EXP

4. **Batch number**

   Lot

5. **Other**

PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Bottle Carton (30 and 90 pack)

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 30 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 30 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

30 prolonged-release tablets
90 prolonged-release tablets

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

Do not swallow the desiccant.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP
9. SPECIAL STORAGE CONDITIONS

Store in the original bottle and keep the bottle tightly closed in order to protect from moisture.

10. SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE

11. NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER

AbbVie Deutschland GmbH & Co. KG
Knollstrasse
67061 Ludwigshafen
Germany

12. MARKETING AUTHORISATION NUMBER(S)

EU/1/19/1404/007
EU/1/19/1404/008

13. BATCH NUMBER

Lot

14. GENERAL CLASSIFICATION FOR SUPPLY

15. INSTRUCTIONS ON USE

16. INFORMATION IN BRAILLE

rinvoq 30 mg

17. UNIQUE IDENTIFIER – 2D BARCODE

2D barcode carrying the unique identifier included.

18. UNIQUE IDENTIFIER - HUMAN READABLE DATA

PC
SN
NN
### PARTICULARS TO APPEAR ON THE INTERMEDIATE PACKAGING

**Bottle Label**

<table>
<thead>
<tr>
<th>1. NAME OF THE MEDICINAL PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RINVOQ 30 mg prolonged-release tablets</td>
</tr>
<tr>
<td>upadacitinib</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>2. STATEMENT OF ACTIVE SUBSTANCE(S)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 30 mg upadacitinib</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. LIST OF EXCIPIENTS</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>4. PHARMACEUTICAL FORM AND CONTENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 prolonged-release tablets</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5. METHOD AND ROUTE(S) OF ADMINISTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Read the package leaflet before use.</td>
</tr>
<tr>
<td>Oral use</td>
</tr>
<tr>
<td>Do not chew, crush or break the tablet. Swallow whole.</td>
</tr>
<tr>
<td>Do not swallow the desiccant.</td>
</tr>
<tr>
<td>Important to open</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep out of the sight and reach of children.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. OTHER SPECIAL WARNING(S), IF NECESSARY</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>8. EXPIRY DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>9. SPECIAL STORAGE CONDITIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Store in the original bottle and keep the bottle tightly closed in order to protect from moisture.</td>
</tr>
<tr>
<td>10.</td>
</tr>
<tr>
<td>11.</td>
</tr>
<tr>
<td>AbbVie (as logo)</td>
</tr>
<tr>
<td>12.</td>
</tr>
<tr>
<td>13.</td>
</tr>
<tr>
<td>Lot</td>
</tr>
<tr>
<td>14.</td>
</tr>
<tr>
<td>15.</td>
</tr>
<tr>
<td>16.</td>
</tr>
<tr>
<td>17.</td>
</tr>
<tr>
<td>18.</td>
</tr>
</tbody>
</table>
PARTICULARS TO APPEAR ON THE OUTER PACKAGING

Blister/Bottle Carton

1. NAME OF THE MEDICINAL PRODUCT

RINVOQ 45 mg prolonged-release tablets
upadacitinib

2. STATEMENT OF ACTIVE SUBSTANCE(S)

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 45 mg upadacitinib.

3. LIST OF EXCIPIENTS

4. PHARMACEUTICAL FORM AND CONTENTS

28 prolonged-release tablets

5. METHOD AND ROUTE(S) OF ADMINISTRATION

Read the package leaflet before use.

Oral use

Do not chew, crush or break the tablet. Swallow whole.

Do not swallow the desiccant.

QR code to be included
For more information and support on taking RINVOQ go to www.rinvoq.eu

6. SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN

Keep out of the sight and reach of children.

7. OTHER SPECIAL WARNING(S), IF NECESSARY

8. EXPIRY DATE

EXP

9. SPECIAL STORAGE CONDITIONS

Store in the original blister in order to protect from moisture.
10. **SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE**

11. **NAME AND ADDRESS OF THE MARKETING AUTHORISATION HOLDER**

AbbVie Deutschland GmbH & Co. KG  
Knollstrasse  
67061 Ludwigshafen  
Germany

12. **MARKETING AUTHORISATION NUMBER(S)**

EU/1/19/1404/010  
EU/1/19/1404/011

13. **BATCH NUMBER**

Lot

14. **GENERAL CLASSIFICATION FOR SUPPLY**

15. **INSTRUCTIONS ON USE**

16. **INFORMATION IN BRAILLE**

rinvoq 45 mg

17. **UNIQUE IDENTIFIER – 2D BARCODE**

2D barcode carrying the unique identifier included.

18. **UNIQUE IDENTIFIER - HUMAN READABLE DATA**

PC  
SN  
NN
**MINIMUM PARTICULARS TO APPEAR ON BLISTERS OR STRIPS**

**Blister**

<table>
<thead>
<tr>
<th>1. NAME OF THE MEDICINAL PRODUCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>RINVOQ 45 mg prolonged-release tablets upadacitinib</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>2. NAME OF THE MARKETING AUTHORISATION HOLDER</th>
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<tbody>
<tr>
<td>AbbVie (as logo)</td>
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<tr>
<th>3. EXPIRY DATE</th>
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<td>EXP</td>
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<th>4. BATCH NUMBER</th>
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<td>Lot</td>
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<tr>
<th>5. OTHER</th>
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</thead>
<tbody>
<tr>
<td>PARTICULARS TO APPEAR ON THE INTERMEDIATE PACKAGING</td>
</tr>
<tr>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>Bottle Label</td>
</tr>
</tbody>
</table>

1. **NAME OF THE MEDICINAL PRODUCT**

RINVOQ 45 mg prolonged-release tablets
upadacitinib

2. **STATEMENT OF ACTIVE SUBSTANCE(S)**

Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 45 mg upadacitinib

3. **LIST OF EXCIPIENTS**

4. **PHARMACEUTICAL FORM AND CONTENTS**

28 prolonged-release tablets

5. **METHOD AND ROUTE(S) OF ADMINISTRATION**

Read the package leaflet before use.

Oral use

**Do not chew, crush or break the tablet. Swallow whole.**

**Do not swallow the desiccant.**

Important to open

6. **SPECIAL WARNING THAT THE MEDICINAL PRODUCT MUST BE STORED OUT OF THE SIGHT AND REACH OF CHILDREN**

Keep out of the sight and reach of children.

7. **OTHER SPECIAL WARNING(S), IF NECESSARY**

8. **EXPIRY DATE**

EXP

9. **SPECIAL STORAGE CONDITIONS**

Store in the original bottle and keep the bottle tightly closed in order to protect from moisture.
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<table>
<thead>
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<tbody>
<tr>
<td>10. <strong>SPECIAL PRECAUTIONS FOR DISPOSAL OF UNUSED MEDICINAL PRODUCTS OR WASTE MATERIALS DERIVED FROM SUCH MEDICINAL PRODUCTS, IF APPROPRIATE</strong></td>
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</tr>
<tr>
<td>18. <strong>UNIQUE IDENTIFIER - HUMAN READABLE DATA</strong></td>
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</tbody>
</table>
B. PACKAGE LEAFLET
This medicine is subject to additional monitoring. This will allow quick identification of new safety information. You can help by reporting any side effects you may get. See the end of section 4 for how to report side effects.

Read all of this leaflet carefully before you start taking this medicine because it contains important information for you.

- Keep this leaflet. You may need to read it again.
- If you have any further questions, ask your doctor, pharmacist, or nurse.
- This medicine has been prescribed for you only. Do not pass it on to others. It may harm them, even if their signs of illness are the same as yours.
- If you get any side effects, talk to your doctor, pharmacist, or nurse. This includes any possible side effects not listed in this leaflet. See section 4.

What is in this leaflet

1. What RINVOQ is and what it is used for
2. What you need to know before you take RINVOQ
3. How to take RINVOQ
4. Possible side effects
5. How to store RINVOQ
6. Contents of the pack and other information

1. What RINVOQ is and what it is used for

RINVOQ contains the active substance upadacitinib. It belongs to a group of medicines called Janus kinase inhibitors. By reducing the activity of an enzyme called ‘Janus kinase’ in the body, RINVOQ lowers inflammation in the following diseases:

- Rheumatoid arthritis
- Psoriatic arthritis
- Axial spondyloarthritis
  - Non-radiographic axial spondyloarthritis
  - Ankylosing spondylitis (AS, radiographic axial spondyloarthritis)
- Atopic dermatitis
- Ulcerative colitis
- Crohn’s disease

Rheumatoid arthritis
RINVOQ is used to treat adults with rheumatoid arthritis. Rheumatoid arthritis is a disease that causes inflamed joints. If you have moderate to severe active rheumatoid arthritis, you may first be given other medicines, one of which will usually be methotrexate. If these medicines do not work well enough, you will be given RINVOQ either alone or in combination with methotrexate to treat your rheumatoid arthritis.

RINVOQ can help to reduce pain, stiffness and swelling in your joints, reduce tiredness and it can slow down damage to the bone and cartilage in your joints. These effects can ease your normal daily activities and so improve your quality of life.
Psoriatic arthritis
RINVOQ is used to treat adults with psoriatic arthritis. Psoriatic arthritis is a disease that causes inflamed joints and psoriasis. If you have active psoriatic arthritis, you may first be given other medicines. If these medicines do not work well enough, you will be given RINVOQ either alone or in combination with methotrexate to treat your psoriatic arthritis.

RINVOQ can help to reduce pain, stiffness, and swelling in and around your joints, pain and stiffness in your spine, psoriatic skin rash, and tiredness, and it can slow down damage to the bone and cartilage in your joints. These effects can ease your normal daily activities and so improve your quality of life.

Axial spondyloarthritis (non-radiographic axial spondyloarthritis and ankylosing spondylitis)
RINVOQ is used to treat adults with axial spondyloarthritis. Axial spondyloarthritis is a disease that primarily causes inflammation in the spine. If you have active axial spondyloarthritis, you may first be given other medicines. If these medicines do not work well enough, you will be given RINVOQ to treat your axial spondyloarthritis.

RINVOQ can help to reduce back pain, stiffness, and inflammation in your spine. These effects can ease your normal daily activities and so improve your quality of life.

Atopic dermatitis
RINVOQ is used to treat adults and adolescents 12 years and older with moderate to severe atopic dermatitis, also known as atopic eczema. RINVOQ may be used with eczema medicines that you apply to the skin or it may be used on its own.

Taking RINVOQ can improve the condition of your skin, and reduce itching and flares. RINVOQ can help improve symptoms of pain, anxiety and depression that people with atopic dermatitis may have. RINVOQ can also help improve your sleep disturbance and overall quality of life.

Ulcerative colitis
Ulcerative colitis is an inflammatory disease of the large bowel. RINVOQ is used to treat adults with ulcerative colitis who did not respond well enough or did not tolerate previous therapy.

RINVOQ can help to reduce the signs and symptoms of the disease including bloody stools, abdominal pain and the need to rush to and the number of times you go to the toilet. These effects can enable your normal daily activities and reduce fatigue.

Crohn’s disease
Crohn’s disease is an inflammatory disease that may involve any part of the digestive tract, but most commonly affects the bowel. RINVOQ is used to treat adults with Crohn’s disease who did not respond well enough or did not tolerate previous therapy.

RINVOQ can help to reduce the signs and symptoms of the disease including the need to rush to and the number of times you go to the toilet, abdominal pain, and the inflammation of your intestinal lining. These effects can enable your normal daily activities and reduce fatigue.

2. What you need to know before you take RINVOQ

Do not take RINVOQ
- if you are allergic to upadacitinib or any of the other ingredients of this medicine (listed in section 6)
- if you have a severe infection (such as pneumonia or bacterial skin infection)
- if you have active tuberculosis (TB)
- if you have severe liver problems
- if you are pregnant (see section Pregnancy, breast-feeding and contraception)
Warnings and precautions
Talk to your doctor or pharmacist before and during treatment with RINVOQ if:

- you have an infection or if you often get infections. Tell your doctor if you get symptoms such as fever, wounds, feeling more tired than usual or dental problems as these can be signs of infection. RINVOQ can reduce your body’s ability to fight infections and may make an existing infection worse or increase the chance of you getting a new infection. If you have diabetes or are 65 years of age or older you may have an increased chance of getting infections
- you have had tuberculosis or have been in close contact with someone with tuberculosis. Your doctor will test you for tuberculosis before starting RINVOQ and may retest during treatment
- you have had a herpes zoster infection (shingles), because RINVOQ may allow it to come back. Tell your doctor if you get a painful skin rash with blisters as these can be signs of shingles
- you have ever had hepatitis B or C
- you have recently had or plan to have a vaccination (immunisation) - this is because live vaccines are not recommended while using RINVOQ
- you have or had in the past cancer, smoke or have smoked in the past, because your doctor will discuss with you if RINVOQ is appropriate for you
- non-melanoma skin cancer has been observed in patients taking RINVOQ. Your doctor may recommend that you have regular skin examinations while taking RINVOQ. If new skin lesions appear during or after therapy or if existing lesions change appearance, tell your doctor.
- have, or have had, heart problems, because your doctor will discuss with you if RINVOQ is appropriate for you
- your liver does not work as well as it should
- you have previously had blood clots in the veins of your legs (deep vein thrombosis) or lungs (pulmonary embolism) or have an increased risk for developing this (for example: if you had recent major surgery, if you use hormonal contraceptives/hormonal replacement therapy, if a blood clotting disorder is identified in you or your close relatives). Your doctor will discuss with you if RINVOQ is appropriate for you. Tell your doctor if you get sudden shortness of breath or difficulty breathing, chest pain or pain in upper back, swelling of the leg or arm, leg pain or tenderness, or redness or discolouration in the leg or arm as these can be signs of blood clots in the veins
- you have kidney problems
- you have unexplained stomach (abdominal) pain, have or have had diverticulitis (painful inflammation of small pockets in the lining of your intestine) or ulcers in your stomach or intestines, or are taking non-steroidal anti-inflammatory medicines.

If you notice any of the following serious side effects, tell a doctor straight away:

- symptoms such as a rash (hives), trouble breathing, or swelling of your lips, tongue, or throat, you may be having an allergic reaction. Some people taking RINVOQ had serious allergic reactions. If you have any of these symptoms during treatment with RINVOQ, stop taking RINVOQ and get emergency medical help straight away
- severe stomach pain especially accompanied by fever, nausea, and vomiting.

Blood tests
You will need blood tests before you start taking RINVOQ, or while you are taking it. This is to check for a low red blood cell count (anaemia), low white blood cell count (neutropaenia or lymphopaenia), high blood fat (cholesterol) or high levels of liver enzymes. The tests are to check that treatment with RINVOQ is not causing problems.

Elderly
There is a higher rate of infection in patients aged 65 years of age and older. Tell your doctor as soon as you notice any signs or symptoms of an infection.

Patients 65 years of age and older may be at increased risk of infections, heart problems including heart attack, and some types of cancer. Your doctor will discuss with you if RINVOQ is appropriate for you.
Children and adolescents

RINVOQ is not recommended for use in children under 12 years of age or adolescents weighing less than 30 kg with atopic dermatitis. This is because it has not been studied in these patients.

RINVOQ is not recommended for use in children and adolescents under 18 years of age with rheumatoid arthritis, psoriatic arthritis, axial spondyloarthritis (non-radiographic axial spondyloarthritis and ankylosing spondylitis), ulcerative colitis, or Crohn’s disease. This is because it has not been studied in this age group.

Other medicines and RINVOQ

Tell your doctor or pharmacist if you are taking, have recently taken or might take any other medicines. This is because some medicines may reduce how well RINVOQ works or may increase the risk of getting side effects. It is very important to talk to your doctor or pharmacist if you are taking any of the following:

- medicines to treat fungal infections (such as itraconazole, posaconazole or voriconazole)
- medicines to treat bacterial infections (such as clarithromycin)
- medicines to treat Cushing’s syndrome (such as ketoconazole)
- medicines to treat tuberculosis (such as rifampicin)
- medicines to treat seizures or fits (such as phenytoin)
- medicines that affect your immune system (such as azathioprine, 6-mercaptopurine, ciclosporin and tacrolimus)
- medicines that may increase your risk of gastrointestinal perforation or diverticulitis such as non-steroidal anti-inflammatory medicines (usually used to treat painful and/or inflammatory conditions of muscle or joints), and/or opioids (used to treat severe pain), and/or corticosteroids (usually used to treat inflammatory conditions).

If any of the above apply to you or you are not sure, talk to your doctor or pharmacist before taking RINVOQ.

Pregnancy, breast-feeding and contraception

Pregnancy

RINVOQ must not be used during pregnancy.

Breast-feeding

If you are breast-feeding or are planning to breast-feed, talk to your doctor before taking this medicine. You should not use RINVOQ while breast-feeding as it is not known if this medicine passes into breast milk. You and your doctor should decide if you will breast-feed or use RINVOQ. You should not do both.

Contraception

If you are a woman of child-bearing potential, you must use effective contraception to avoid becoming pregnant while taking RINVOQ and for at least 4 weeks after your last dose of RINVOQ. If you become pregnant during this time, you must talk to your doctor straight away.

If your child has her first menstrual period while taking RINVOQ, you should inform the doctor.

Driving and using machines

RINVOQ has no effect or limited effect on the ability to drive and use machines.

3. How to take RINVOQ

Always take this medicine exactly as your doctor or pharmacist has told you. Check with your doctor or pharmacist if you are not sure.
How much to take

If you have rheumatoid arthritis, psoriatic arthritis or axial spondyloarthritis (non-radiographic axial spondyloarthritis and ankylosing spondylitis)

The recommended dose is one 15 mg tablet once a day.

If you have atopic dermatitis

Adults:
The recommended dose is 15 mg or 30 mg as prescribed by your doctor, as one tablet once a day. Your doctor may increase or decrease your dose depending on how well the medicine is working.

Elderly:
If you are 65 years of age or older, the recommended dose is 15 mg once a day.

Adolescents (from 12 to 17 years of age) weighing at least 30 kg:
The recommended dose is one 15 mg tablet once a day.

If you have ulcerative colitis

The recommended dose is one 45 mg tablet once a day for 8 weeks. Your doctor may decide to extend the initial 45 mg dose for another 8 weeks (for 16 weeks total). This will be followed by one 15 mg or one 30 mg tablet once a day for your long-term treatment. Your doctor may increase or decrease your dose depending on how you respond to the medicine.

Elderly:
If you are 65 years of age or older, the recommended dose is 15 mg once a day for your long-term treatment.

Your doctor may reduce your dose if you have kidney problems, or you are prescribed certain other medicines.

If you have Crohn’s disease

The recommended dose is one 45 mg tablet once a day for 12 weeks. This will be followed by one 15 mg or one 30 mg tablet once a day for your long-term treatment. Your doctor may increase or decrease your dose depending on how you respond to the medicine.

Elderly:
If you are 65 years of age or older, the recommended dose is 15 mg once a day for your long-term treatment.

Your doctor may reduce your dose if you have kidney problems, or you are prescribed certain other medicines.

How to take

- Swallow the tablet whole with water. Do not split, crush, chew or break the tablet before swallowing as it may change how much medicine gets into your body.
- To help you remember to take RINVOQ, take it at the same time every day.
- The tablets can be taken with or without food.
- Avoid food or drink containing grapefruit whilst you are taking (or being treated with) RINVOQ as these may make side effects more likely, by increasing the amount of medicine in your body.
If you take more RINVOQ than you should
If you take more RINVOQ than you should, contact your doctor. You may get some of the side effects listed in section 4.

If you forget to take RINVOQ
• If you miss a dose, take it as soon as you remember.
• If you forget your dose for an entire day, just skip the missed dose and take only a single dose as usual the following day.
• Do not take a double dose to make up for a forgotten tablet.

If you stop taking RINVOQ
Do not stop taking RINVOQ unless your doctor tells you to stop taking it.

How to open the bottle

Foil Cutting Tool - on the cap of the bottle

1. How to puncture the foil
1a. Remove the cap from the bottle by pushing down and while still pushing, turn the cap anti-clockwise.
1b. Turn the cap over and place the cutting tool near the edge of the foil seal.

2. Push down to make a hole in the foil and move the cutting tool round the edge of the foil to continue cutting the foil.

3. When you have taken your tablet, put the cap back on and close the bottle.

If you have any further questions on the use of this medicine, ask your doctor or pharmacist.

4. Possible side effects
Like all medicines, RINVOQ can cause side effects, although not everybody gets them.
Serious side effects
Talk to your doctor or get medical help straight away if you get any signs of:

- infection such as shingles or painful skin rash with blisters (herpes zoster) – common (may affect up to 1 in 10 people)
- infection of the lung (pneumonia), which may cause shortness of breath, fever, and a cough with mucus – common (may affect up to 1 in 10 people)
- infection in the blood (sepsis) – uncommon (may affect up to 1 in 100 people)
- allergic reaction (chest tightness, wheezing, swelling of the lips, tongue or throat, hives) – uncommon (may affect up to 1 in 100 people)

Other side effects
Talk to your doctor if you notice any of the following side effects:

Very common (may affect more than 1 in 10 people)
- throat and nose infections
- acne

Common (may affect up to 1 in 10 people)
- non-melanoma skin cancer
- cough
- fever
- cold sores (herpes simplex)
- feeling sick in the stomach (nausea)
- increase in an enzyme called creatine kinase, shown by blood tests
- low white blood cell counts shown in blood tests
- increased levels of cholesterol (a type of fat in the blood) as shown in tests
- increased levels of liver enzymes, shown by blood tests (sign of liver problems)
- weight gain
- inflammation (swelling) of the hair follicles
- flu (influenza)
- anaemia
- pain in your belly (abdomen)
- fatigue (feeling unusually tired and weak)
- headache
- hives (urticaria)
- urinary tract infection
- rash

Uncommon (may affect up to 1 in 100 people)
- thrush in the mouth (white patches in the mouth)
- increased levels of triglycerides (a type of fat) in the blood, as shown in tests
- diverticulitis (painful inflammation of small pockets in the lining of your intestine)
- gastrointestinal perforation (a hole in the bowel)

Reporting of side effects
If you get any side effects, talk to your doctor, pharmacist or nurse. This includes any possible side effects not listed in this leaflet. You can also report side effects directly via the national reporting system listed in Appendix V. By reporting side effects you can help provide more information on the safety of this medicine.

5. How to store RINVOQ
Keep this medicine out of the sight and reach of children.
Do not use this medicine after the expiry date which is stated on the blister label and carton after ‘EXP’.

This medicine does not require any special temperature storage conditions.

Store in original blister or bottle with the lid tightly closed to protect from moisture.

Do not throw away any medicines via wastewater or household waste. Ask your pharmacist how to throw away medicines you no longer use. These measures will help protect the environment.

6. Contents of the pack and other information

What RINVOQ contains

The active substance is upadacitinib.

RINVOQ 15 mg prolonged-release tablets
- Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 15 mg upadacitinib.
- The other ingredients are:
  - Core tablet: microcrystalline cellulose, mannitol, tartaric acid, hypromellose, silica colloidal anhydrous, magnesium stearate.
  - Film coating: poly(vinyl alcohol), macrogol, talc, titanium dioxide (E171), iron oxide red (E172), iron oxide black (E172).

RINVOQ 30 mg prolonged-release tablets
- Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 30 mg upadacitinib.
- The other ingredients are:
  - Core tablet: microcrystalline cellulose, mannitol, tartaric acid, hypromellose, silica colloidal anhydrous, magnesium stearate.
  - Film coating: poly(vinyl alcohol), macrogol, talc, titanium dioxide (E171), iron oxide red (E172).

RINVOQ 45 mg prolonged-release tablets
- Each prolonged-release tablet contains upadacitinib hemihydrate, equivalent to 45 mg upadacitinib.
- The other ingredients are:
  - Core tablet: microcrystalline cellulose, mannitol, tartaric acid, hypromellose, silica colloidal anhydrous, magnesium stearate.
  - Film coating: poly(vinyl alcohol), macrogol, talc, titanium dioxide (E171), iron oxide yellow (E172) and iron oxide red (E172).

What RINVOQ looks like and contents of the pack

RINVOQ 15 mg prolonged-release tablets

RINVOQ 15 mg prolonged-release tablets are purple, oblong, biconvex tablets imprinted on one side with ‘a15’.

The tablets are provided in blisters or bottles. RINVOQ is available in packs containing 28 or 98 prolonged-release tablets and in multipacks of 84 comprising 3 cartons, each containing 28 prolonged-release tablets. Each calendar blister contains 7 tablets.
RINVOQ is available in bottles with desiccant containing 30 prolonged-release tablets, each pack contains 1 bottle (30 tablet pack) or 3 bottles (90 tablet pack).

**RINVOQ 30 mg prolonged-release tablets**

RINVOQ 30 mg prolonged-release tablets are red, oblong, biconvex tablets imprinted on one side with ‘a30’.

The tablets are provided in blisters or bottles.

RINVOQ is available in packs containing 28 or 98 prolonged-release tablets. Each calendar blister contains 7 tablets.

RINVOQ is available in bottles with desiccant containing 30 prolonged-release tablets, each pack contains 1 bottle (30 tablet pack) or 3 bottles (90 tablet pack).

**RINVOQ 45 mg prolonged-release tablets**

RINVOQ 45 mg prolonged-release tablets are yellow to mottled yellow, oblong, biconvex tablets imprinted on one side with ‘a45’.

The tablets are provided in blisters or bottles.

RINVOQ is available in packs containing 28 prolonged-release tablets. Each calendar blister contains 7 tablets.

RINVOQ is available in bottles with desiccant containing 30 prolonged-release tablets, each pack contains 1 bottle.

Not all pack sizes may be marketed.

**Marketing Authorisation Holder**

AbbVie Deutschland GmbH & Co. KG
Knollstrasse
67061 Ludwigshafen
Germany

**Manufacturer**

AbbVie S.r.l.
S.R. 148 Pontina, km 52 SNC
04011 Campoverde di Aprilia (Latina)
Italy

AbbVie Logistics B.V.
Zuiderzeelaan 53
Zwolle, 8017 JV,
Netherlands

For any information about this medicine, please contact the local representative of the Marketing Authorisation Holder:
This leaflet was last revised in

Other sources of information

Detailed information on this medicine is available on the European Medicines Agency web site: http://www.ema.europa.eu.

Detailed and updated information on this product is also available by scanning the QR code included below or on the outer carton with a smart phone. The same information is also available on the following URL: www.rinvoq.eu.

To listen to or request a copy of this leaflet in <Braille>, <large print> or <audio>, please contact the local representative of the Marketing Authorisation Holder.