

EU Risk Management Plan for RegkironaTM (CT-P59)

RMP version to be assessed as part of this application:				
1.1				
13 August 2024				
23 September 2024				
Removal of a specific adverse reaction follow-up questionnaire for lack of efficacy upon the PRAC request from the PRAC PSUR assessment report for regdanvimab with the period from 05Feb2023 to 04Aug2023				
Part II: Module SI — Epidemiology of the indication(s) and target population(s) • Updated epidemiologic data. Part II: Module SV — Post-authorisation experience • Updated to reflect the latest exposure data. Part III: Routine pharmacovigilance activities • Removal of a follow up questionnaire for lack of efficacy. Part VII: Annex 4 — Specific adverse drug reaction follow-up forms • Removal of the Lack of efficacy follow-up forms.				
n: Not applicable				
-				
-				
-				
P:				
1.0				
EMEA/H/C/005854				
on date): 12 November 2021				
Oliver Wiedemann				

September 2024 Page 1 of 43



QPPV signature:	The QPPV's signature will be included in the finalised approved version of the RMP.			
	6			

Anedicinal product no longer authoritée

September 2024 Page 2 of 43



TABLE OF CONTENT

TABLE OF	CONTENT3
LIST OF TA	BLES
LIST OF AE	BBREVIATIONS
PART I:	PRODUCT(S) OVERVIEW
PART II:	SAFETY SPECIFICATION 10
PART II:	MODULE SI - EPIDEMIOLOGY OF THE INDICATION(S) AND TARGET POPULATION(S)10
PART II:	MODULE SII - NON-CLINICAL PART OF THE SAFETY SPECIFICATION
PART II:	MODULE SIII - CLINICAL TRIAL EXPOSURE
PART II:	MODULE SIV - POPULATIONS NOT STUDIED IN CLINICAL TRIALS21
SIV.1	Exclusion criteria in pivotal clinical studies within the development programme21
SIV.2	Limitations to detect adverse reactions in clinical trial development programmes22
SIV.3	Limitations in respect to populations typically under-represented in clinical trial development programmes
PART II:	MODULE SV - POST-AUTHORISATION EXPERIENCE24
SV.1	Post-authorisation exposure 24
SV.1.1	Method used to calculate exposure
SV.1.2	Exposure
PART II:	MODULE SVI ADDITIONAL EU REQUIREMENTS FOR THE SAFETY SPECIFICATION
PART II:	MODULE SVH - IDENTIFIED AND POTENTIAL RISKS26
SVII.1	Identification of safety concerns in the initial RMP submission
SVII.1.1.	Risks not considered important for inclusion in the list of safety concerns in the RMI
SVII.1.2.	Risks considered important for inclusion in the list of safety concerns in the RMP26
SVII.2	New safety concerns and reclassification with a submission of an updated RMP26
SVII.57	Details of important identified risks, important potential risks, and missing information
SVII.3.1.	Presentation of important identified risks and important potential risks28
SVII.3.2.	Presentation of the missing information
PART II:	MODULE SVIII - SUMMARY OF THE SAFETY CONCERNS29

September 2024 Page 3 of 43



35
33 34 OF 35
34 OF 35 35
OF 35 35
35 35
35
26
30
37
37
rise 37
38
38
39
39
39
41
42
43

September 2024 Page 4 of 43



LIST OF TABLES

Table I	Part I.1: Product Overview	8
Table 2	Part II.SIII.1: Age group and Gender	19
Table 3	Part II.SIII.2: Dose	20
Table 4	Part II.SIII.3: Ethnic Origin	21
Table 5	Part II.SIV3: Exposure of special populations included or not in clinical trial development programmes.	22
Table 6	Part II.SVIII.1: Summary of safety concerns	29
Table 7	Part III.1 On-going and planned additional pharmacovigilance activities	33
Table 8	Part V.1: Description of routine risk minimisation measures by safety concern	35
Table 9	Part V.3: Summary table of pharmacovigilance activities and risk minimisation activities by safety concern	36
Neo!	Ella dingrico logio,	

September 2024 Page 5 of 43



LIST OF ABBREVIATIONS

Term	Explanation
ADE	Antibody-dependent enhancement
AE	Adverse event
ADR	Adverse drug reaction
A/G	Albumin to globulin
ALB	Albumin
AUC	Area under curve
CDC	Centers for Disease Control and Prevention
cf.	compared with
CI	Confidence interval
COVID-19	Coronavirus disease 2019
CRP	C-reactive protein
DDD	Daily defined dose
DNA	Deoxyribonucleic acid
EEA	European Economic Area
EMA	European Medicines Agency
EPAR	European public assessment report
EU	European Union
HIV	Human immunodeficiency virus
ICSR	Individual case safety report
IgG	Immunoglobulin G
i.v.	intravenous
L	litre
LMP	Last menstrual period
m^2	Square metres
mAb	Monoclonal antibody
MedDRA	Medical Dictionary for Regulatory Activities
MERS	Middle east respiratory syndrome
mg	milligrams
mL	millilitre
PHE	Public Health England

September 2024 Page 6 of 43



DI	Explanation
PL	Package leaflet
PMS	Post-marketing surveillance
PRAC	Pharmacovigilance Risk Assessment Committee
PSUR	Periodic safety update report
PT	Prothrombin time
RBC	Red blood cell
RBD	Receptor Binding Domain
RMP	Risk management plan
RSV	Respiratory syncytial virus
RT-PCR	Reverse Transcription Polymerase Chain Reaction
SARS	Severe acute respiratory syndrome
SARS-CoV-2	Severe Acute Respiratory Syndrome Coronavirus 2
SmPC	Summary of product characteristics
VOI	Variants of interest
VUM	Variants under monitoring
WHO	World Health Organization
WHO	

September 2024 Page 7 of 43



PART I: PRODUCT(S) OVERVIEW

Table 1 Part I.1: Product Overview

Active substance(s)	Regdanvimab
(INN or common name)	
Pharmacotherapeutic group(s) (ATC Code)	Immune sera and immunoglobulins, antiviral monoclonal antibodies (J06BD06)
Marketing Authorisation Holder	CELLTRION Healthcare Hungary KFT.
Medicinal products to which this RMP refers	1
Invented name(s) in the European Economic Area (EEA)	Regkirona™
Marketing authorisation procedure	Centralised
Brief description of the product	Chemical class Regdanvimab is a recombinant human monoclonal IgG1 antibody.
	Summary of mode of action Regdanvimab is a recombinant human IgG1 monoclonal antibody that binds to the receptor binding domain (RBD) of the spike(s) protein of SARS-CoV-2 consequently blocking cellular entry and SARS-CoV-2 infection.
,C	Important information about its composition The antibody is manufactured by recombinant DNA technology in a Chinese Hamster Ovary (CHO) mammalian cell line.
Hyperlink to the Product Information	CTD Module 1.3.1
Indication(s) in the EEA	Current
dicita	Regdanvimab is indicated for the treatment of adults with coronavirus disease 2019 (COVID-19) who do not require supplemental oxygen and who are at increased risk of progressing to severe COVID-19.
Dosage in the EEA	Current The recommended dosage of regdanvimab in adults is a single intravenous (IV) infusion of 40 mg/kg. Regdanvimab should be administered within 7 days of onset of symptoms of COVID-19.
Pharmaceutical form(s) and strengths	Current Concentrate for solution for infusion (sterile concentrate)

September 2024 Page 8 of 43



Each 16 mL vial contains 960 mg of regdanvimab			
Each mL of concentrate contains 60 mg of regdanvimab			
6			

Medicinal product no langer authorise medicinal product no

September 2024 Page 9 of 43



PART II: SAFETY SPECIFICATION

PART II: MODULE SI - EPIDEMIOLOGY OF THE INDICATION(S) AND TARGET POPULATION(S)

Coronavirus Disease 2019 (COVID-19)

Coronavirus disease 2019 (COVID-19) is caused by the severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), a newly emergent coronavirus. Genetic sequencing of the virus suggests that it is a betacoronavirus closely linked to the SARS virus (WHO Interim Guidance 2020). On December 29, 2019, the first 4 cases reported and since then, an increasing number of cases of novel coronavirus-infected pneumonia have been identified in Wuhan, China. The virus became widespread throughout other Chinese cities more than a dozen countries around the world via suspected human-to-human transmission (Li 2020a). On 11 March 2020, the World Health Organization (WHO) declared that the COVID-19 can be characterized as a pandemic due to alarming spread and severity of COVID-19 worldwide (WHO Speech, 2020). As of 21 July 2024, over 775 million confirmed cases and more than seven million deaths have been reported globally since the beginning of pandemic.(WHO COVID-19 Epidemiological Update, 13 August 2024).

Although a complete understanding of transmission has not been identified yet, there is evidence that transmission can occur through aerosol or fomite transmission of SARS-CoV-2 since the virus was found to remain viable and infectious in aerosols for hours and on surfaces up to days, depending on the inoculum shed (van Doremalen 2020). Asymptomatic or pre-symptomatic persons infected with SARS-CoV-2 are also potential sources of COVID-19 infection, though the mechanism by which asymptomatic carriers could acquire and transmit SARS-CoV-2 requires further study (Bai 2020, Kimball 2020, Rothe 2020). Several studies provide evidence of both direct and indirect transmission of SARS-CoV-2. Santarpia et al, collected air and surface samples from individuals who were infected with COVID-19. Viral contamination was detected among all samples, indicating that SARS-CoV-2 may spread through both direct (droplet and person-to person) as well as indirect mechanisms (contaminated objects and airborne transmission) (Santarpia 2020). A similar study in China also implies aerosol transmission of SARS-CoV-2. Liu et al collected air samples from rooms, hallways and toilets of hospitals located in Wuhan, China during COVID-19 outbreak and the samples were mostly positive for SARS-CoV-2 (Liu 2020). In another study, SARS-CoV-2 remained viable in experimentally-induced aerosols for up to 3 hours (van Doremalen 2020). In order to protect public health from COVID-19, toilets should be properly used and cleaned (e.g. ventilation and sterilization) as a tollet can be a potential source of COVID-19 with relatively high risk caused by aerosolization of the virus and contamination of surfaces after use. The general public should use personal protection measures such as performing hand hygiene, wearing masks and avoiding busy crowds. Effective sanitization of high risk areas and the use of high level protection masks for medical staff is also important (Liu 2020, WHO Interim Guidance 2020).

Genetic variations of SARS-CoV-2 occur over time and those variations affect the characteristics of the virus. They have been emerging and circulating around the world. Some of genetic variations are classified as Variant of Concern (VOC) for which there is evidence of an increase in transmissibility, more severe disease (e.g., increased hospitalizations or deaths), significant reduction in neutralization by antibodies generated during previous infection or vaccination, reduced effectiveness of treatments or vaccines, or diagnostic detection failures (Variants and Genomic Surveillance for SARS-CoV-2, CDC). As of mid-2024, 2 variant of interest (VOI), BA.2.86 and JN.1, and 6 variants under monitoring (VUMs), JN.1.7, JN.1.18, KP.2, KP.3, KP.3.1.1, and LB.1, are

September 2024 Page 10 of 43



tracked by WHO. The most frequently reported VOI is JN.1 and KP.3.1.1 and LB.1, descendent lineages of JN.1 have been shown increased prevalence globally (WHO COVID-19 Weekly Epidemiological Update, 13 August 2024).

Incidence and Prevalence

As of 21 July 2024, there were 775,776,317 cumulative cases reported worldwide, according to data as received by WHO from national authorities. Europe currently has the largest number of cases reported (279,633,124, 36%), followed by Western Pacific (208,532,852: 27%), Americas (193,297,893; 25%), South-East Asia (61,311,446; 8%), Eastern Mediterranean (23,417,911; 3%) and Africa (9,582,327; 1%) (WHO COVID-19 Epidemiological Update, 13 August 2024).

Demographics of the Population in the Proposed Indication and Risk Factors for the Disease

Although all age groups are vulnerable to SARS-CoV-2 infection, in most cases patients were 30 to 79 years old, with the median age ranging from 49 to 59 years. There were few cases in children below 15 years of age (He 2020, Yang 2020). Clinical findings in China showed that children (age below 15) with COVID-19 usually presented mild respiratory infections, as compared with adult cases (Cai 2020). On another study in China, all paediatric patients (aged 0-16 years) had mild to moderate type of COVID-19 (Qiu 2020). In the United States, most reported COVID-19 infection in children aged below 18 are asymptomatic or mild. Less is known about severe COVID-19 in children requiring hospitalization (U. S. Centers for Disease Control and Prevention (CDC) 2020).

More than half of patients are male. In China, the proportion of male patients ranged from 51% to 58% of total reported cases (Guan 2020, WHO Report of WHO-China Joint Mission on COVID-19 2020), and was as high as 70% in some hospitals (Yang 2020, Zhou 2020). A higher proportion of fatal outcomes among male patients compared to females has been reported in China and the EU/EEA (Chen 2020, European Centre for Disease Prevention and Control (ECDC) 2020, Onder 2020). However, males with COVID-19 may also be more likely to have acute respiratory distress syndrome (ARDS) and patients with ARDS have a higher proportion of comorbid conditions such as hypertension and diabetes that resulted in less rigorous immune response (Wu 2020a).

The Main Existing Treatment Options

Currently, the nucleoside reverse transcriptase inhibitor Veklury has been granted full marketing authorisation by the EMA for the treatment of COVID-19 in adults and adolescents (aged 12 years and older with body weight at least 40 kg) with pneumonia requiring supplemental oxygen. Veklury is also fully approved by the FDA for the treatment of hospitalised adults and paediatric patients (12 years of age and older and weighing at least 40 kg) with COVID-19. (EPAR Veklury, 2022, Veklury US Prescribing Information, 2024).

The FDA and EMA approved oral antiviral Paxlovid (nirmatrelvir/ritonavir), treatment developed by Pfizer, for the treatment of mild-to-moderate COVID-19 in adults and paediatric patients (aged 12 years and older weighing at least 40 kg) who are at high risk for progression to severe COVID-19, including hospitalisation or death. Paxlovid works by inhibiting the SARS-CoV-2 protease, an enzyme essential for viral replication, thereby reducing the viral load in the patient's body (Paxlovid EPAR, 2024).

September 2024 Page 11 of 43



Two mRNA vaccines, Comirnaty (by Pfizer-BioNTech) and Spikevax (by Moderna), have been approved by EMA to prevent COVID-19 caused by the SARS-CoV-2 virus. These vaccines have been updated to address emerging variants such as Omicron, with new formulations receiving additional EMA approvals. (Comirnaty EPAR 2024, Spikevax EPAR 2024)

As monoclonal antibody therapies, Sotrovimab (Xevudy), developed by GlaxoSmithKline, has been approved by EMA for the treatment of adults and adolescents (aged 12 years and over and weighing at least 40 kg) with coronavirus disease 2019 (COVID-19) who do not require oxygen supplementation and who are at increased risk of progressing to severe COVID-19. These monoclonal antibodies target the spike protein of SARS-CoV-2, thereby neutralizing the virus and preventing its entry into human cells (Xevudy EPAR 2024).

Natural History of the Indicated Condition including Mortality and Morbidity

Available information on the history and course of COVID-19 is described in an interim guidance document published by the World Health Organization. The onset of symptoms due to SARS-CoV-2 infection appears following the incubation period, which is the time between exposure to the virus (becoming infected) and symptom onset, is, on average, 5–6 days, but can be up to 14 days. Most people with SARS-CoV-2 infection develop only mild (40%) or moderate (40%) disease (WHO Interim Guidance 2020).

Most people experience fever (83-99%), cough (59-82%), fatigue (44-70%), anorexia (40-84%), shortness of breath (31-40%), or myalgia (11-35%). Other non-specific symptoms, such as sore throat, nasal congestion, headache, diarrhoea, nausea and vomiting, have also been reported. Anosmia or ageusia preceding the onset of respiratory symptoms has also been reported. Older people and immunosuppressed patients in particular may present with atypical symptoms such as fatigue, reduced alertness, reduced mobility, diarrhea, loss of appetite, and absence of fever.

COVID-19 is also associated with mental and neurological manifestations, including delirium or encephalopathy, agitation, stroke, meningo-encephalitis, impaired sense of smell or taste, anxiety, depression, and sleep problems. In many cases, neurological manifestations have been reported even without respiratory symptoms. Case reports of Guillain-Barré syndrome and meningo-encephalitis among people with COVID-19 have also been reported. Clinical manifestations of COVID-19 are generally milder in children compared with adults. Relatively few cases of infants confirmed with COVID-19 have been reported. However, most recently, a multisystem inflammatory syndrome temporally associated with COVID-19 in children and adolescents has been described.

Approximately 15% develop severe disease that requires oxygen support, and 5% have critical disease with complications such as respiratory failure, acute respiratory distress syndrome, sepsis and septic shock, thromboembolism, and/or multiorgan failure, including acute kidney injury, and cardiac injury. Older age, smoking and underlying noncommunicable diseases, such as diabetes, hypertension, cardiac disease, chronic lung disease, and cancer have been reported as risk factors for severe disease and death.

Although observed on small patient groups, among patients transferred to the intensive care unit (ICU); acute respiratory distress syndrome (ARDS) is the most frequent complication. Results from study of 138 hospitalized patients with COVID-19 infected pneumonia in Wuhan, China on January and February 2020, 36 patients (26.1%) were transferred to the intensive care unit (ICU) because of complications including acute respiratory distress syndrome (22 [61.1%]). (Wang 2020). According to systemic literature review for which the search date was March 2020, ARDS was the most common complication, with a pooled event rate of 18.4% (95% CI, 7.4 – 32.4%) (Zhang 2020).

September 2024 Page 12 of 43



Excessive production of proinflammatory cytokines leads to ARDS aggravation and widespread tissue damage resulting in multi-organ failure and death (Ragab 2020).

Mortality proportionately increases as patients are older. In an analysis of COVID-19 cases from early 2020 adjusting for demography and under-ascertainment of cases, the age-specific case fatality ratios in China were estimated to be substantially higher in older age groups (0.32%, 6.4%, and 13.4% among those 60 years and younger, greater than 60 years old, and 80 years and older respectively). Estimates from the same study for international cases also showed the same trend. (Verity 2020) Under the result of a systemic review of literature conducted until April 2020, advanced age conferred an increased risk of in-hospital death (Figliozzi 2020).

Important Co-morbidities

Although severe symptoms due to COVID-19 can occur in individuals of any age without underlying conditions, a greater risk of hospitalization, severe disease and/or fatal outcome due to COVID-19 has been documented among patients with the following co-morbidities: (Guan 2020, Huang 2020, Wu 2020b, Zhou 2020, Pranata 2020, Petrakis 2020)

- Cancer
- Cardiovascular disease
- Chronic renal disease
- Chronic obstructive pulmonary disease
- Chronic respiratory disease
- Diabetes mellitus
- Hypertension
- Cerebrovascular disease
- Obesity

September 2024 Page 13 of 43



PART II: MODULE SII - NON-CLINICAL PART OF THE SAFETY SPECIFICATION

Key safety findings from non-clinical studies and relevance to human usage:

Toxicity

- Key issues identified from repeat-dose toxicity studies

Monkey (Cynomolgus Monkey):

1. Three animals/sex/group, doses of CT-P59 at 0, 100, 200 and 400 mg/kg i.v. on Days 1 and 8 (Study No.G220016)

In accordance with the ICH Safety Guideline S6(R1) Preclinical Safety Evaluation of Biotechnology-Derived Pharmaceuticals (ICH 2011), a 2-week repeat-dose toxicity study in cynomolgus monkeys was conducted.

Administration of CT-P59 up to 400 mg/kg were generally well-tolerated. However, test itemrelated changes of clinical pathology and macro and microscopic findings were observed in mostly one male at 400 mg/kg (Animal no. 4M0002). In clinical pathology, increased CRP level, decrease of A/G ratio and increased large unstained cell counts were observed. In microscopic examination, sinusoidal increased cell of the liver (including Animal no. 4M0001) and increased cellularity of the bone marrow were noted. These findings were considered test item-related but not adverse (Lewis, et al., 2002) since these were noted only in one male and they were not accompanied by degenerative changes. Moreover, there was thymic atrophy in the microscopic findings and this change was associated with the decreased size and weights of the thymus and considered to be secondary changes caused by body weight loss or stress (Everds, et al., 2013; Moriyama, et al., 2008). Decreased ALB was also considered to be secondary changes caused by decreased food consumption and body weight (Moriyama, et al., 2008). Besides, decrease in RBC parameters, prolonged PT, macroscopic increased size and increased weights of the kidneys and liver were observed. These changes were considered not adverse, but it was unclear whether the changes were related to the test item, because the changes were minimal and there were no microscopic correlates.

In conclusion, there were no CT-P59 related toxicological changes in mortality, clinical signs, body weights, food consumption, ophthalmology, electrocardiography, haematology, coagulation, urinalysis, organ weights, macroscopic and microscopic observations.

2. Dose of CT-P59 at 0, 100, 200 and 400 mg/kg with once weekly, i.v. infusion for 3-weeks (total three doses; on Days 1, 8, and 15) with 10-week recovery period. (Study No.20251637)

The study was conducted in accordance with following guidelines: Committee for Medicinal Products for Human Use (CHMP) Guideline on repeated dose toxicity, ICH Harmonised Tripartite Guideline M3 (R2), ICH Harmonised Tripartite Guideline S3a, ICH Harmonised Tripartite Guideline S6 (R1), ICH Harmonised Tripartite Guideline S7A, and the Japanese Guidelines for Nonclinical Studies of Drugs Manual (1995). Guidelines for Nonclinical Pharmacokinetic Studies, Guidelines for General Pharmacology Studies, and (Chapter 3, Repeated Dose Toxicity Studies).

Administration of CT-P59 up to 400 mg/kg were clinically well-tolerated. All animals survived for the study duration and there were no CT-P59-related effects in the following parameters: clinical observations, food consumption, body weights, ophthalmology examinations,

September 2024 Page 14 of 43



electrocardiograms, urinalysis parameters, organ weights, macroscopic or microscopic findings.

Acute phase response

CT-P59-related changes in haematology parameters were observed in some individual animals at all dose levels. Animals received CT-P59 (11 out of 22 Animals) had transient moderately to markedly decreased neutrophils associated with decreased white blood cell counts in some animals on Days 8, 15, and/or 22. Among them, three animals at 200 or 400 mg/kg/dose had mildly to markedly increased monocytes and/or lymphocytes on Days 8 and/or 15. Monocyte and lymphocyte values generally recovered by Day 22. CT-P59-related changes in coagulation and clinical chemistry parameters also consisted of an acute phase response for several males and females at 100 or 200 mg/kg/dose that included minimally to markedly increased fibrinogen, C-reactive protein, and/or globulins, and mildly decreased albumin and albumin/globulin ratio on Days 8 and/or 15 with recovery on Day 22 except for globulins in two animals at 100 and 200 mg/kg/dose.

Two animals administered the highest dose of CT-P59 (400 mg/kg/dose), had dose dependent changes in clinical pathology parameters that were either not present in other animals or were more pronounced compared to other animals dosed at 100, 200, or 400 mg/kg/dose and are discussed separately in the paragraphs below.

Hematology changes in one or both animals included transient moderate to marked decreases in neutrophils associated with decreased white blood cell counts. There was recovery of the white blood cell count by Day 22 for one animal. There were minimal to marked neutrophil Döhle bodies observed during blood smear evaluation on Day 15 or 22 suggestive of accelerated maturation in the bone marrow. Monocytes were mildly decreased for one animal on Day 8 followed by a moderate increase on Day 22. Red blood cell mass (hemoglobin, red blood cell count, and hematocrit) was mildly to moderately decreased on Days 8, 15, and/or 22. Reticulocytes were moderately decreased on Day 8 followed by mild to moderate increases on Days 15 and 22 for one animal or were not adequately increased on Day 22 for remaining animal. Red cell distribution width was moderately increased, and along with increased reticulocytes for one animal, correlated with minimal to mild anisocytosis and polychromasia observed during blood smear evaluation on Days 15 and/or 22. Platelets were transiently, mildly decreased with decreased plateletcrit and increased platelet distribution width on Day 8 or 15 with recovery on Day 15 or 22 except for platelet distribution width for one animal. Changes in coagulation and clinical chemistry included minimally prolonged activated partial thromboplastin time for one animal on Day 8 only and an acute phase response consisting of minimally to markedly increased fibringen, C-reactive protein, globulins, triglycerides, and/or total bilirubin, and moderately decreased albumin and albumin/globulin ratio. Other changes in clinical chemistry parameters included minimally to mildly increased cholesterol and mildly decreased calcium (associated with decreased albumin). During a 10-week recovery period, there were no CT-P59-related changes in clinical pathology parameters, indicating complete recovery.

In conclusion, test article-related effects included changes in hematology, coagulation, and clinical chemistry parameters, however, with the exception of the transient moderately to markedly decreased neutrophils from two (Animal Nos. 4004 and 4105) out of ten 400 mg/kg dosed animals, all other CT-P59-related findings were not considered adverse. The markedly

September 2024 Page 15 of 43



decreased neutrophil count, though fully reversible, were considered adverse based on the inherent related increased risk for infections (Ramaiah *et al.*, 2017) rather than a direct high toxic effect; and the no-observed-adverse-effect-level (NOAEL) was defined 200 mg/kg IV accordingly. Additionally, no remarkable findings were reported from the macroscopic and microscopic examination of injection sites from all animals.

There were no serious hypersensitivity reactions, including anaphylaxis, with administration of CT-P59 have reported during the clinical trials; the changes from baseline in all available hematology and clinical chemistry laboratory parameters showed no notable differences among the CT-P59 40 mg/kg, CT-P59 80 mg/kg and Placebo groups. Therefore, there is no clinical relevance of the acute phase reaction found several animals including two of the high dose animals in the 3-week repeat-dose study.

Reproductive/developmental toxicity

No reproductive and developmental toxicity studies were conducted. This is in accordance with the ICH Safety Guideline S6(R1) Preclinical Safety Evaluation of Biotechnology-Derived Pharmaceuticals (ICH 2011), which does not recommend reproductive and developmental studies for monoclonal antibodies that target exogenous proteins, since these types of antibodies are unlikely to cause reproductive or developmental toxicity. In the 2-week repeat dose non-human primate toxicity study, no adverse effects were noted in the reproductive organs of males or females.

- Genotoxicity

No genotoxicity studies were conducted This is in accordance with the ICH Safety Guideline S6(R1) Preclinical Safety Evaluation of Biotechnology-Derived Pharmaceuticals (ICH 2011), which does not recommend genotoxicity for monoclonal antibodies that target exogenous proteins, since these types of antibodies are unlikely to be genotoxic.

- Carcinogenicity

No carcinogenicity studies were conducted. This is in accordance with the ICH Safety Guideline S6(R1) Preclinical Safety Evaluation of Biotechnology-Derived Pharmaceuticals (ICH 2011), which does not recommend carcinogenicity studies for monoclonal antibodies that target exogenous proteins since these types of antibodies are unlikely to be carcinogenic.

Safety pharmacology

General Safety Pharmacology

No stand-alone safety pharmacology study was performed according to the ICH Safety Guideline S6(R1) Preclinical Safety Evaluation of Biotechnology-Derived Pharmaceuticals (ICH 2011). Safety end-points were incorporated into the 2-week and 3-week repeat-dose toxicity study in cynomolgus monkeys. There was no evidence of cardiotoxicity in the repeat-dose study performed as part of non-clinical investigations. Consequently, no stand-alone non-clinical cardiotoxicity study has been conducted with CT-P59.

Other toxicity-related information or data

Mechanisms for Drug Interactions

September 2024 Page 16 of 43



On the basis of the specificity of regdanvimab, no non-clinical studies pertinent to drug interaction have been conducted.

eline SII ont alls.

Redicinal production of the second of Juvenile toxicity studies were not performed in line with the ICH guideline S11 on nonclinical

September 2024 Page 17 of 43



PART II: MODULE SIII - CLINICAL TRIAL EXPOSURE

Regdanvimab is a human monoclonal antibody targeted against the receptor binding domain (RBD) of the spike protein of severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and is being developed as a treatment for SARS-CoV-2 infection. The dosage form of regdanvimab is solution concentrate for dilution for administration in a single intravenous (IV) infusion.

Clinical studies with regdanvimab in patients with SARS-CoV-2 infection comprised one completed and one ongoing studies,

- a pilot phase 1, randomized, double-blind, placebo-controlled, parallel group, single ascending dose study to evaluate the safety, tolerability and virology of CT-P59 in patient with mild symptoms of severe acute respiratory syndrome coronavirus (SARS-CoV-2) Infection (Study CT-P59 1.2) (Completed);
- a randomized, parallel-group, placebo-controlled, double-blind, Phase 2/3 study in patients with mild to moderate symptoms of SARS-CoV-2 infection to evaluate the efficacy and safety of CT-P59 in combination with standard of care (Study CT-P59 3.2) (Ongoing).

As of June 11th, 2021, a total of 882 subjects with SARS-CoV-2 infection were exposed to regdanvimab.

Duration of exposure is unavailable since all clinical highs were designed as single treatment with regdanvimab.

September 2024 Page 18 of 43



Table 2 Part II.SIII.1: Age group and Gender

	CT-P59 (N = 882)				
	Person (n)		Person ti	me (days)	
Age Group (years)	Male	Female	Male	Female	
18 – 40	125	122	3612	3401	
41 – 50	123	94	3519	2670	
51 – 60	115	110	3473	3343	
61 – 70	77	61	2102	1660	
> 70	30	25	821	670	
Total	470	412	13527	11744	

Source Data: Study 1.2, 3.2 (Part 1, Day 28) and 3.2 (Part 2, Day 28)

ag patients,

Redikting Person time (days) = End of Treatment Period Date (for ongoing patients, Cut-off Date for each report) - Date of Study Drug

September 2024 Page 19 of 43



Table 3 Part II.SIII.2: Dose

	CT-P59 (N = 882)		
Dose of treatment	Person (n)	Person time (day	
20 mg/kg	5	420	
40 mg/kg	762	21407	
80 mg/kg	115	3444	
Total	882	25271	
Actual Administered Dose per V	Veight (mg/kg)		
Mean		45.1	
Median		40.0	
Minimum		20	
Maximum		80	
Actual Administered Dose (mg)	~		
Mean	20)	3673.1	
Median	.0	3400.0	
Minimum		1156	
Maximum		8000	
Person time (days) = End of Treatment Pe Administration + 1	28) and 3.2 (Part 2, Day 28) eriod Date (for ongoing patients, Cut-off	Date for each report) - Date of Study	

Page 20 of 43 September 2024



Table 4	Part II.	.SIII.3:	Ethnic	Origin
---------	----------	-----------------	---------------	--------

	СТ-Р	59 (N = 882)
Dose of treatment	Person (n)	Person time (days)
White	757	21628
Black or African American	6	170
American Indian or Alaska Native	5	/131
Asian	39	1286
Native Hawaiian or Other Pacific Islander	1	28
Not Allowed by Investigator Country Regulations	0	0
Others	74	2028
Total	882	25271

Source Data: Study 1.2, 3.2 (Part 1, Day 28) and 3.2 (Part 2, Day 28)

Person time (days) = End of Treatment Period Date (for ongoing patients, Cut-off Date for each report) - Date of Study Drug Administration + 1

PART II: MODULE SIV - POPULATIONS NOT STUDIED IN CLINICAL TRIALS

SIV.1 Exclusion criteria in pivotal clinical studies within the development programme

Patient who has known allergy or hypersensitivity reaction to any monoclonal antibody or to any components of study drug.

<u>Reason for exclusion:</u> These patients were excluded from the clinical development programme for safety reasons. Patients with a known allergy would be at a higher risk of subsequent serious systemic hypersensitivity reactions with re-exposure.

Is it considered to be included as missing information?: No

<u>Rationale:</u> As per the EU SmPC, regdanvimab is contraindicated in patients who have hypersensitivity to the active substance(s) or to any of the excipients of the drug, therefore, it is unlikely that regdanvimab will be used in these patients.

Female patient who is currently pregnant or breastfeeding or planning to be pregnant or to breastfeed, or male patient who is planning to father a child or donate sperms throughout the study (up to 6 months after the study drug administration).

<u>Reason for exclusion:</u> The use of regdanvimab is not contraindicated during pregnancy or breast-feeding, however, whether regdanvimab is secreted in human milk and how regdanvimab affects developing foetus are still unknown with a limited evidence.

Is it considered to be included as missing information?: Yes

September 2024 Page 21 of 43



Paediatric patient aged under 18.

<u>Reason for exclusion:</u> The safety and efficacy of regdanvimab have not been established in paediatric patients. No data are available.

<u>Is it considered to be included as missing information?</u>: No

<u>Rationale:</u> As per the EU SmPC, regdanvimab is not recommended in paediatric patients, therefore it is unlikely that regdanvimab will be used in this population.

Patient who has received drugs with actual or possible antiviral drugs and/or possible anti-SARS-CoV-2 activity including but not limited to remdesivir, chloroquine, hydroxychloroquine, dexamethasone (alternative corticosteroids to dexamethasone), interferon beta-1b, ribavirin, and other immunomodulatory agents and human immunodeficiency virus (HIV) protease inhibitors (lopinavir-ritonavir, etc.) for therapeutic purpose of SARS-CoV-2 infection prior to regdanvimab.

<u>Reason for exclusion:</u> Patients who have taken other antiviral drugs were excluded from the pivotal clinical studies to prevent confounding interpretation of efficacy endpoints.

Is it considered to be included as missing information?: No

<u>Rationale:</u> Regdanvimab is not renally excreted or metabolized by cytochrome P450 enzymes; therefore, interactions with concomitant medications that are renally excreted or that are substrates, inducers, or inhibitors of cytochrome P450 enzymes are unlikely.

SIV.2 Limitations to detect adverse reactions in clinical trial development programmes

The clinical development programme is unlikely to detect certain types of adverse reactions such as rare adverse reactions, adverse reactions with a long latency, or those caused by prolonged exposure or cumulative exposure.

A total of 882 subjects with SARS-CoV-2 infection were exposed to regdanvimab during the clinical trials. Adverse drug reactions (ADRs) with a frequency greater than approximately 1 in 294 subjects with SARS-CoV-2 infection may be detected with a data set of this size.

SIV.3 Limitations in respect to populations typically under-represented in clinical trial development programmes

Table 5 Part II.SIV3: Exposure of special populations included or not in clinical trial development programmes

Type of special population	Exposure
Pregnant women	Female patients who are pregnant or
Breastfeeding women	breastfeeding were excluded from clinical trials for regdanvimab. It is generally known that
	human IgG immunoglobulins cross the
	placental barrier. However, there are no adequate and well-controlled data with
	adequate and well-controlled data with

September 2024 Page 22 of 43



Patients with relevant comorbidities:	regdanvimab from studies in pregnant women. Therefore, the decision to treat nursing mothers with regdanvimab should be based on an individualized assessment of risk and benefit. Whether regdanvimab is excreted in human milk and what impact regdanvimab will have on infant who is exposed to regdanvimab during lactation are not known. As experience is limited, regdanvimab should be considered only when benefit to mother outweighs possible risk to child upon assessment of a duly qualified health care professional.
rationts with relevant comorbidities:	
- Patients with hepatic impairment	17 subjects with chronic liver disease were treated with regdanvimab in clinical trials.
- Patients with renal impairment	12 subjects with chronic kidney disease including those on dialysis were treated with regdanvimab in clinical trials.
- Patients with cardiovascular impairment	241 subjects with cardiovascular disease including hypertension were treated with regdanvimab in clinical trials.
- Immunocompromised patients	Immunosuppressed patients were included in clinical trials, but there was no subject who was treated with regdanvimab.
- Patients with a disease severity different from inclusion criteria in clinical trials	Not included in the clinical development program.
Population with relevant different ethnic origin	The majority of subjects with SARS-CoV-2 infection who were exposed to regdanvimab in Study CT-P59 1.2 and Study CT-P59 3.2 were White (n=757). Asian (n=39), Black or African American (n=6), American Indian or Alaska Native (n=5), Native Hawaiian or Other Pacific Islander (n=1) and Others (n=74) were also enrolled in clinical trials for regdanvimab. (Table 4)
Subpopulations carrying relevant genetic polymorphisms	There are no known relevant genetic polymorphisms that affect metabolism, degradation or pharmacological effects of regdanvimab. Hence, genetic polymorphisms are not evaluated during clinical development program.

September 2024 Page 23 of 43



PART II: MODULE SV - POST-AUTHORISATION EXPERIENCE

SV.1 Post-authorisation exposure

SV.1.1 Method used to calculate exposure

An estimate of patient exposure is generally calculated based on the sales volumes of active ingredient and the defined daily dose (DDD). However, DDD has not been established for regdanvimab because the dosing varies based on the body weight (kg). Therefore, assuming DDD is three vials per patient, on the presumption that a patient is given three vials of regdanvimab on average, the post-approval exposure to regdanvimab has been calculated in patient doses using the formula below.

Patient Exposure (patient dose)=
$$\frac{\text{Quantity of regdanvimab sold }(vials)}{DDD (3 vials)}$$

SV.1.2 Exposure

Approximately 91,786 patients were exposed to regdaminab in total on the presumption that a patient is given 3 vials of regdanvimab on average.

September 2024 Page 24 of 43



MODULE SVI - ADDITIONAL EU REQUIREMENTS FOR THE SAFETY **PART II: SPECIFICATION**

Potential for misuse for illegal purposes

nedicitival product rolling and the roperties is infusional product rolling and the roperties is a sinfusional product rolling and the rolling and the roperties is a sinfusional product rolling and the rolli Abuse is unlikely. Regdanvimab will only be administered by intravenous infusion by healthcare professionals. Regdanvimab has no psychoactive effects, and no other properties that might appeal

September 2024 Page 25 of 43



PART II: MODULE SVII - IDENTIFIED AND POTENTIAL RISKS

SVII.1 Identification of safety concerns in the initial RMP submission

SVII.1.1. Risks not considered important for inclusion in the list of safety concerns in the RMP

Reason for not including an identified or potential risk in the list of safety concerns in the RMP:

Adverse reactions with clinical consequences, even serious, but occurring with a low frequency and considered to be acceptable in relation to the severity of the indication treated.

Antibody-dependent enhancement (ADE)

There were no patients with suspected antibody-dependent enhancement (ADE) during the clinical trials and no ADE was reported from *in vitro* or *in vivo* non-clinical studies. Although ADE has been observed in SARS, MERS and other human respiratory virus infections including RSV and measles, presently there is no proof that ADE occurs in SARS-CoV-2 infection and there are merely various hypotheses as per the earlier reports of SARS and MERS-CoV and also with few *in vitro* studies with SARS-CoV-2. The ability of the antibody to neutralize the virus has a role in the production of ADE, however, clinical data has not established a role for ADE in human COVID-19 pathology. As evidence for a potential causal relationship between regdanvimab and ADE is lacking and only a theoretical risk exists, ADE is not considered important for inclusion in the list of safety concerns.

SVII.1.2. Risks considered important for inclusion in the list of safety concerns in the RMP

Important Identified Risk

No identified risks considered important for inclusion in the list of safety concerns in the RMP.

Important Potential Risk

No potential risks considered important for inclusion in the list of safety concerns in the RMP.

Missing Information 1: Use during pregnancy

<u>Risk-benefit impact:</u> The safety of regdanvimab in pregnant women is not known as no studies of regdanvimab have been conducted in pregnant women. The use of regdanvimab in pregnant female patients is possible in clinical practice.

Missing Information 2: Long-term safety data

<u>Risk-benefit impact</u>: Long-term safety data of regdanvimab are limited from clinical trials. There may be long term consequences that have not yet been seen in patients that have been studied so far. The impact on risk-benefit in terms of long-term safety is unknown.

SVII.2 New safety concerns and reclassification with a submission of an updated RMP

Not applicable.

September 2024 Page 26 of 43



SVII.3 Details of important identified risks, important potential risks, and missing information

The data available for the assessment of the risk of regdanvimab are derived from one completed and

mone control of the c

September 2024 Page 27 of 43



SVII.3.1. Presentation of important identified risks and important potential risks

There are no important identified and potential risks for regdanvimab.

SVII.3.2. Presentation of the missing information

Missing information - Use during pregnancy

Evidence source:

The safety of regdanvimab in pregnant women is not known as no studies of regdanvimab have been conducted in pregnant women.

Population in need of further characterisation:

The use of regdanvimab in pregnant female patients is possible in clinical practice. As experience is limited, the use of regdanvimab in pregnancy should only be considered if the possible benefit to the patient is thought to outweigh any possible risk to the foetus

Anticipated risk/consequence of the missing information:

IgG immunoglobulins are known to cross the placental barrier, therefore regdanvimab has the potential to be transferred from the mother to the developing foetus. There are no adequate and well-controlled data with regdanvimab from studies in pregnant women.

Missing information - Long-term safety data

Evidence source:

Long-term safety data of regdanyimab are limited from clinical trials.

Population in need of further characterisation:

There may be long-term consequences that have not yet been seen in patients that have been studied so far. More information on long-term safety of regdanvimab is required.

Anticipated risk/consequence of the missing information:

Considering regdanvimab is intended to be given as a single dose and a half-life of regdanvimab at a recommended dose of 40 mg/kg is estimated as 15.6 days, long-term consequences that may be unexpectedly observed after treatment with regdanvimab are anticipated to be uncommon. Nonetheless, a potential long-term consequences that regdanvimab may have will be monitored.

September 2024 Page 28 of 43



PART II: MODULE SVIII - SUMMARY OF THE SAFETY CONCERNS

Table 6 Part II.SVIII.1: Summary of safety concerns

	Not applicable	
Important potential risks	Not applicable	
Missing information	Use during pregnancy	.0
	Long-term safety data	× C

September 2024 Page 29 of 43



PART III: PHARMACOVIGILANCE PLAN (INCLUDING POST-AUTHORISATION SAFETY STUDIES)

III.1 Routine pharmacovigilance activities

Routine pharmacovigilance activities beyond adverse reactions reporting and signal detection:

Not applicable.

Monitoring of data on treatment failure due to emerging variants:

As part of the enhanced signal detection activities for the duration of the COVID-19 pandemic, data on treatment failure due to emerging variants are to be monitored from all available data sources, including but not limited to

- Spontaneous cases
- Clinical trial data

nedicinal nedicinal

- Literature
- Reports received from regulatory authorities

If the review of the data identifies an impact on the benefit-risk profile of regdanvimab, the data will be submitted to EMA, including a benefit-risk discussion and any warranted product information updates within 1 month via appropriate variation procedure. Additionally, the cumulative data will be summarised in the PSUR.

Other forms of routine pharmacovigilance activities:

A new variant of concern or variant of interest newly classified by the Agencies (i.e. WHO; World Health Organization, PHE; Public Health England, CDC; Centers for Disease Control and Prevention and etc.) or any newly emerging variants will be continuously monitored, and their risk will be assessed. If the risk is identified, non-clinical studies to characterise regdanvimab in relation to the variant in question will be initiated.

September 2024 Page 30 of 43



III.2 Additional pharmacovigilance activities

Summary of Study CT-P59 3.2

Study short name and title:

CT-P59 3.2: A Phase 2/3, Randomized, Parallel-group, Placebo-controlled, Double-Blind Study to Evaluate the Efficacy and Safety of CT-P59 in Combination with Standard of Care in Outpatients with Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV-2) Infection

Rationale and study objectives:

There are currently no approved monoclonal antibody therapy available to treat coronaviruses such as SARS-CoV-2 and there is an urgent public health need for rapid development of such interventions.

The study is initiated to evaluate efficacy and safety of CT-P59 in outpatients with mild to moderate symptoms of SARS-CoV-2 infection, not requiring supplemental oxygen therapy.

The safety concern addressed in this study is long-term safety data which is missing information. The data generated from this ongoing clinical study will allow more confident assessment of the safety profile of regdanvimab.

Study design:

Randomized, parallel-group, placebo-controlled, double-blind

Study population:

Male or female outpatients, aged 18 or above with SARS-CoV-2 infection, confirmed SARS-CoV-2 diagnostic test or RT-PCR at Screening, or having a previous RT-PCR result within 72 hours prior to the study drug administration.

Milestones:

Final report: 30/06/2022

Summary of Study CT-P59 4.1

Study short name and title;

CT-P59 4.1: Post-Marketing Surveillance of REGKIRONA® 960 mg (Regdanvimab) (monoclonal antibody, gene recombination) to Evaluate Its Safety and Efficacy

Rationale and study objectives:

The objectives of this post-marketing surveillance (PMS) are to evaluate the safety and efficacy of REGKIRONA® 960 mg (Regdanvimab) in Korea under routine care.

The safety concern addressed in this study is use during pregnancy which is missing information. The data generated from this post-marketing surveillance will allow more confident assessment of the safety profile of regdanvimab.

Study design:

Post-marketing surveillance

September 2024 Page 31 of 43



Study population:

All patients who receive REGKIRONA® 960 mg for the first time according to the approved indication in Korea, adult patients with confirmed COVID-19 through reverse transcription polymerase chain reaction (RT-PCR) etc. and among them, high-risk mild patients* to moderate patients meeting all of the following conditions:

- 1) Oxygen saturation >94% on room air.
- 2) Not requiring supplemental oxygen supply.
- 3) Developed COVID-19 symptoms within 7 days prior to drug administration

*High-risk mild patients are defined as patients with 1 or more of the following risk factors: Age > 50 years; BMI > 30Kg/m²; Cardiovascular diseases, including hypertension; Chronic lung disease, including asthma; Type 1 or type 2 diabetes mellitus; Chronic kidney disease, including those on dialysis; Chronic liver disease; and Immunosuppressed status due to disease or treatment (such as cancer treatment, bone-marrow or organ transplantation, immune deficiencies, human immunodeficiency virus, sickle-cell anemia, thalassemia, and prolonged use of immune-weakening medications) base on investigator's assessment.

Milestones:

Final report: 31/12/2027

Summary of COVID-PR

Study short name and title:

COVID-19 International Drug Pregnancy Registry (COVID-PR)

Rationale and study objectives:

Medicine developers, academic labs, and other organizations globally are developing medical products to treat COVID-19. Potential treatments include medications currently used or studied to treat other diseases ("repurposed" treatments), as well as medications newly identified or designed to treat COVID-19. Pregnant women will be treated with these medications which, for the most part, lack scientific evidence regarding safety for the mother and the developing offspring.

The objective of the COVID-19 International Drug Pregnancy Registry (COVID-PR) is to estimate the effect that medications indicated for mild to severe COVID-19 have on obstetric, neonatal, and infant outcomes.

The safety concern addressed in this study is use during pregnancy which is missing information. The data generated from this registry will allow more confident assessment of the safety profile of regdanvimab.

Study design

The COVID-PR is an international, non-interventional, post-marketing cohort study designed to collect prospective safety data among pregnant women treated pharmacologically for mild to severe COVID-19 at any time during pregnancy or within 90 days prior to the first day of the last menstrual period (LMP). It includes maternal and offspring follow-up until the infant's one year of age.

Study population:

September 2024 Page 32 of 43



The study population includes women 18 years of age and older who required in-hospital or ambulatory pharmacological treatment for mild to severe COVID-19 at any time during pregnancy or within 90 days prior to the first day of the LMP. Registration and participation via website especially developed for the COVID-PR are voluntary. Eligible women can enroll at any time during pregnancy and up to 30 days after the end of pregnancy. Postpartum mothers and their live offspring are followed-up to the infant's one year of age.

Milestones:

Estimated primary completion date: 30/09/2026

Final report: 30/09/2027

III.3 Summary Table of additional Pharmacovigilance activities

Table 7 Part III.1 On-going and planned additional pharmacovigilance activities

Study Status	Summary of objectives	Study concerns addressed	Milestones	Due dates
Category 1 – Impormarketing authorisa	sed mandatory additional pharr tion	nacovigilance activities wh	ich are conditi	ons of the
Not applicable		.0		
	sed mandatory additional pharr onditional marketing authorisa	_	_	-
Not applicable		•		
Category 3 – Requi	ired additional pharmacovigilar	nce activities		
CT-P59 3.2 Ongoing	To evaluate efficacy and safety of CT-P59 in outpatients with mild to moderate symptoms of SARS-CoV-2 infection, not requiring supplemental oxygen therapy	- long-term safety data	Final report	30/06/2022
CT-P59 4.1 Ongoing	To evaluate the safety and efficacy of REGKIRONA® 960 mg (monoclonal antibody, gene recombination) in Korea under routine care	- use during pregnancy	Final report	31/12/2027
COVID-PR Planned	To estimate the effect that medications indicated for mild to severe COVID-19	- use during pregnancy	Estimated primary completion date	30/09/2026

September 2024 Page 33 of 43



have on obstetric, neonatal, and infant outcomes PART IV: PLANS FOR POST-AUTHORISATION EFFICACY STUDIES Not applicable.	• CELLTR	RION		gkirona™ (CT-P5) CTD Module isk Management I	1, Sec
PART IV: PLANS FOR POST-AUTHORISATION EFFICACY STUDIES Not applicable.		Summary of objectives		Milestones	Due
Not applicable.				Final report	30/0
Redicting by the state of the s				² 0,	S
Alegicinal broging			10/05		
Redicinal		X			
Negilo.		or office of			
	Nedici				



PART V: RISK MINIMISATION MEASURES (INCLUDING EVALUATION OF THE EFFECTIVENESS OF RISK MINIMISATION ACTIVITIES)

V.1. Routine Risk Minimisation Measures

Table 8 Part V.1: Description of routine risk minimisation measures by safety concern

Safety concern	Routine risk minimisation activities
Missing information-	Routine risk communication:
Use during pregnancy	SmPC section 4.6: Fertility, pregnancy and lactation
	PL section 2: What you need to know before you are given Regkirona
	Routine risk minimisation activities recommending specific clinical measures to address the risk:
	Precautions to be taken prior to administration for the prevention of use during pregnancy is included in the SmPC section 4.6: Fertility, pregnancy and lactation and PL section 2: What you need to know before you are given Postkirons
	before you are given Regkirona. Other routine risk minimisation measures beyond the Product Information:
	Legal status: Medicinal product subject to medical prescription
Missing information-	Routine risk communication:
Long-term safety data	None
	Routine risk minimisation activities recommending specific clinical measures to address the risk:
	None
Q	Other routine risk minimisation measures beyond the Product Information:
	Legal status: Medicinal product subject to medical prescription

V.2. Additional Risk Minimisation Measures

Not applicable.

September 2024 Page 35 of 43



V.3 Summary of risk minimisation measures

Table 9 Part V.3: Summary table of pharmacovigilance activities and risk minimisation activities by safety concern

Missing information- Use during pregnancy	Routine risk minimisation measures:	Routine pharmacovigilance activities beyond adverse
Use during pregnancy		
		I manations managing and signal
	SmPC section 4.6	reactions reporting and signal detection:
	PL section 2	None None
	Legal status: Medicinal product subject to medical prescription	Additional pharmacovigilance activities:
	Additional risk minimisation measures:	CT-P59 4.1
	None	COVID-PR
Missing information-	Routine risk minimisation	Routine pharmacovigilance
Long-term safety data	measures:	activities beyond adverse reactions reporting and signal
	None	detection:
	Legal status: Medicinal product subject to medical prescription	None
	Additional risk minimisation	Additional pharmacovigilance
	measures:	activities:
	None	CT-P59 3.2
Nedicina		

September 2024 Page 36 of 43



PART VI: SUMMARY OF THE RISK MANAGEMENT PLAN

Summary of risk management plan for Regkirona

This is a summary of the risk management plan (RMP) for Regkirona. The RMP details important risks of Regkirona, how these risks can be minimised, and how more information will be obtained about Regkirona's risks and uncertainties (missing information).

Regkirona's summary of product characteristics (SmPC) and its package leaflet give essential information to healthcare professionals and patients on how Regkirona should be used.

This summary of the RMP for Regkirona should be read in the context of all this information including the assessment report of the evaluation and its plain-language summary, all which is part of the European Public Assessment Report (EPAR).

Important new concerns or changes to the current ones will be included in updates of Regkirona's RMP.

I. The medicine and what it is used for

Regkirona is authorised for treatment of confirmed coronavirus disease 2019 (COVID-19) in adults (see SmPC for the full indication). It contains regularyimab as the active substance and it is given by intravenous infusion.

Further information about the evaluation of Regkirona's benefits can be found in Regkirona's EPAR, including in its plain-language summary, available on the EMA website, under the medicine's webpage:

https://www.ema.europa.eu/en/medicines/human/EPAR/regkirona

II. Risks associated with the medicine and activities to minimise or further characterise the risks

Important risks of Regkirona, together with measures to minimise such risks and the proposed studies for learning more about Regkirona's risks, are outlined below.

Measures to minimise the risks identified for medicinal products can be:

- Specific information, such as warnings, precautions, and advice on correct use, in the package leaflet and SmPC addressed to patients and healthcare professionals;
- Important advice on the medicine's packaging;
- The authorised pack size the amount of medicine in a pack is chosen so to ensure that the medicine is used correctly;
- The medicine's legal status the way a medicine is supplied to the patient (e.g. with or without prescription) can help to minimise its risks.

Together, these measures constitute *routine risk minimisation* measures.

September 2024 Page 37 of 43



In addition to these measures, information about adverse reactions is collected continuously and regularly analysed, including PSUR assessment so that immediate action can be taken as necessary. These measures constitute *routine pharmacovigilance activities*.

If important information that may affect the safe use of Regkirona is not yet available, it is listed under 'missing information' below.

II.A List of important risks and missing information

Important risks of Regkirona are risks that need special risk management activities to further investigate or minimise the risk, so that the medicinal product can be safely administered. Important risks can be regarded as identified or potential. Identified risks are concerns for which there is sufficient proof of a link with the use of Regkirona. Potential risks are concerns for which an association with the use of this medicine is possible based on available data, but this association has not been established yet and needs further evaluation. Missing information refers to information on the safety of the medicinal product that is currently missing and needs to be collected (e.g. on the long-term use of the medicine);

List of important risks and missing information	
Important identified risks	Not applicable
Important potential risks	Not applicable
Missing information	Use during pregnancy Long-term safety data

II.B Summary of important risks

Missing information - Use duri	ing pregnancy
Risk minimisation measures	Routine risk minimisation measures
(0	- SmPC section 4.6
0,	- PL section 2
	Legal status: Medicinal product subject to medical prescription
20	Additional risk minimisation measures
	- None
Additional pharmacovigilance	Additional pharmacovigilance activities:
activities	- CT-P59 4.1
10	- COVID-PR
7	See section II.C of this summary for an overview of the post-authorisation development plan.

September 2024 Page 38 of 43



Missing information - Long-te	rm safety data
Risk minimisation measures	Routine risk minimisation measures
	- None
	Legal status: Medicinal product subject to medical prescription
	Additional risk minimisation measures
	- None
Additional pharmacovigilance	Additional pharmacovigilance activities:
activities	- CT-P59 3.2
	See section II.C of this summary for an overview of the post-
	authorisation development plan.

II.C Post-authorisation development plan

II.C.1 Studies which are conditions of the marketing authorisation

There are no studies which are conditions of the marketing authorisation of Regkirona.

II.C.2 Other studies in post-authorisation development plan

CT-P59 3.2: A Phase 2/3, Randomized, Parallel-group, Placebo-controlled, Double-Blind Study to Evaluate the Efficacy and Safety of CT-P59 in Combination with Standard of Care in Outpatients with Severe Acute Respiratory Syndrome Coronavirus (SARS-CoV-2) Infection

<u>Purpose of the study:</u> There are currently no approved monoclonal antibody therapy available to treat coronaviruses such as SARS-CoV-2 and there is an urgent public health need for rapid development of such interventions.

The study is initiated to evaluate efficacy and safety of CT-P59 in outpatients with mild to moderate symptoms of SARS-CoV-2 infection, not requiring supplemental oxygen therapy.

The safety concern addressed in this study is long-term safety data which is missing information. The data generated from this ongoing clinical study will allow more confident assessment of the safety profile of regdanyimab.

CT-P59 4.1: Post-Marketing Surveillance of REGKIRONA® 960 mg (Regdanvimab) (monoclonal antibody, gene recombination) to Evaluate Its Safety and Efficacy

<u>Purpose of the study:</u> The objectives of this post-marketing surveillance (PMS) are to evaluate the safety and efficacy of REGKIRONA® 960 mg (monoclonal antibody, gene recombination) in Korea under routine care.

The safety concern addressed in this study is use during pregnancy which is missing information. The data generated from this post-marketing surveillance will allow more confident assessment of the safety profile of regdanvimab.

COVID-19 International Drug Pregnancy Registry (COVID-PR)

September 2024 Page 39 of 43



<u>Purpose of the study:</u> Medicine developers, academic labs, and other organizations globally are developing medical products to treat COVID-19. Potential treatments include medications currently used or studied to treat other diseases ("repurposed" treatments), as well as medications newly identified or designed to treat COVID-19. Pregnant women will be treated with these medications which, for the most part, lack scientific evidence regarding safety for the mother and the developing offspring.

The objective of the COVID-19 International Drug Pregnancy Registry (COVID-PR) is to estimate the effect that medications indicated for mild to severe COVID-19 have on obstetric, neonatal, and infant outcomes.

redicting product to The safety concern addressed in this study is use during pregnancy which is missing information. The data generated from this registry will allow more confident assessment of the safety profile of

September 2024 Page 40 of 43



PART VII: ANNEXES

L	ist	of	Annexes

List of Alli	CACS	
ANNEX 4	Specific adverse drug reaction follow-up forms	
ANNEX 6	Details of proposed additional risk minimisation activities	43
		•
	, Q	

September 2024 Page 41 of 43



ANNEX 4 Specific adverse drug reaction follow-up forms

enedicinal product no longer authorised auth

September 2024 Page 42 of 43



Details of proposed additional risk minimisation activities **ANNEX 6**

Medicinal product no longer authorised we dicinal product no longer authorised with the longer authorised auth

September 2024 Page 43 of 43