

EMA/424721/2023

## European Medicines Agency decision P/0428/2023

of 27 October 2023

on the agreement of a paediatric investigation plan and on the granting of a deferral and on the granting of a waiver for derivative of 6 - (piperidine - 1 - carbonyl)pyridin - 3 - ol (BI 764198), (EMEA-003347-PIP01-22) in accordance with Regulation (EC) No 1901/2006 of the European Parliament and of the Council

### **Disclaimer**

This decision does not constitute entitlement to the rewards and incentives referred to in Title V of Regulation (EC) No 1901/2006.

**Only the English text is authentic.**



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The European Medicines Agency,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Regulation (EC) No 1901/2006 of the European Parliament and of the Council of 12 December 2006 on medicinal products for paediatric use and amending Regulation (EEC) No. 1768/92, Directive 2001/20/EC, Directive 2001/83/EC and Regulation (EC) No 726/2004<sup>1</sup>,

Having regard to Regulation (EC) No 726/2004 of the European Parliament and of the Council of 31 March 2004 laying down Union procedures for the authorisation and supervision of medicinal products for human use and establishing a European Medicines Agency<sup>2</sup>,

Having regard to the application submitted by Boehringer Ingelheim International GmbH on 17 October 2022 under Article 16(1) of Regulation (EC) No 1901/2006 also requesting a deferral under Article 20 of said Regulation and a waiver under Article 13 of said Regulation,

Having regard to the opinion of the Paediatric Committee of the European Medicines Agency, issued on 8 September 2023, in accordance with Article 17 of Regulation (EC) No 1901/2006 and Article 21 of said Regulation and Article 13 of said Regulation,

Having regard to Article 25 of Regulation (EC) No 1901/2006,

Whereas:

- (1) The Paediatric Committee of the European Medicines Agency has given an opinion on the agreement of a paediatric investigation plan and on the granting of a deferral and on the granting of a waiver.
- (2) It is therefore appropriate to adopt a decision agreeing a paediatric investigation plan.
- (3) It is therefore appropriate to adopt a decision granting a deferral.
- (4) It is therefore appropriate to adopt a decision granting a waiver.

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<sup>1</sup> OJ L 378, 27.12.2006, p.1, as amended.

<sup>2</sup> OJ L 136, 30.4.2004, p. 1, as amended.

Has adopted this decision:

**Article 1**

A paediatric investigation plan for derivative of 6 - (piperidine - 1 - carbonyl)pyridin - 3 - ol (BI 764198), film-coated tablet, age-appropriate oral solid dosage form, oral use, the details of which are set out in the opinion of the Paediatric Committee of the European Medicines Agency annexed hereto, together with its appendices, is hereby agreed.

**Article 2**

A deferral for derivative of 6 - (piperidine - 1 - carbonyl)pyridin - 3 - ol (BI 764198), film-coated tablet, age-appropriate oral solid dosage form, oral use, the details of which are set out in the opinion of the Paediatric Committee of the European Medicines Agency annexed hereto, together with its appendices, is hereby granted.

**Article 3**

A waiver for derivative of 6 - (piperidine - 1 - carbonyl)pyridin - 3 - ol (BI 764198), film-coated tablet, age-appropriate oral solid dosage form, oral use, the details of which are set out in the opinion of the Paediatric Committee of the European Medicines Agency annexed hereto, together with its appendices, is hereby granted.

**Article 4**

This decision is addressed to Boehringer Ingelheim International GmbH, 173 Binger Strasse, 55216 - Ingelheim am Rhein, Germany.

EMA/PDCO/276208/2023  
Amsterdam, 8 September 2023

## Opinion of the Paediatric Committee on the agreement of a Paediatric Investigation Plan and a deferral and a waiver

EMEA-003347-PIP01-22

### Scope of the application

#### Active substance(s):

Derivative of 6 - (piperidine - 1 - carbonyl)pyridin - 3 - ol (BI 764198)

#### Invented name and authorisation status:

See Annex II

#### Condition(s):

Treatment of glomerulonephritis and nephrotic syndrome

#### Pharmaceutical form(s):

Film-coated tablet

Age-appropriate oral solid dosage form

#### Route(s) of administration:

Oral use

#### Name/corporate name of the PIP applicant:

Boehringer Ingelheim International GmbH

### Basis for opinion

Pursuant to Article 16(1) of Regulation (EC) No 1901/2006 as amended, Boehringer Ingelheim International GmbH submitted for agreement to the European Medicines Agency on 17 October 2022 an application for a paediatric investigation plan for the above mentioned medicinal product and a deferral under Article 20 of said Regulation and a waiver under Article 13 of said Regulation.

The procedure started on 21 November 2022.



Supplementary information was provided by the applicant on 22 May 2023. The applicant proposed modifications to the paediatric investigation plan.

## **Opinion**

1. The Paediatric Committee, having assessed the proposed paediatric investigation plan in accordance with Article 17 of Regulation (EC) No 1901/2006 as amended, recommends as set out in the appended summary report:
  - to agree the paediatric investigation plan in accordance with Article 17(1) of said Regulation;
  - to grant a deferral in accordance with Article 21 of said Regulation;
  - to grant a waiver for one or more subsets of the paediatric population in accordance with Article 13 of said Regulation and concluded in accordance with Article 11(1)(c) of said Regulation, on the grounds that the specific medicinal product does not represent a significant therapeutic benefit over existing treatments for paediatric patients.

The Paediatric Committee member of Norway agrees with the above-mentioned recommendation of the Paediatric Committee.

2. The measures and timelines of the agreed paediatric investigation plan and the subset(s) of the paediatric population and condition(s) covered by the waiver are set out in the Annex I.

This opinion is forwarded to the applicant and the Executive Director of the European Medicines Agency, together with its annexes and appendix.

## **Annex I**

### **The subset(s) of the paediatric population and condition(s) covered by the waiver and the measures and timelines of the agreed paediatric investigation plan (PIP)**

## 1. Waiver

### 1.1. Condition:

Treatment of glomerulonephritis and nephrotic syndrome

The waiver applies to:

- the paediatric population from birth to less than 1 year of age;
- film-coated tablet, age-appropriate oral solid dosage form, oral use;
- on the grounds that the specific medicinal product does not represent a significant therapeutic benefit over existing treatments.

## 2. Paediatric investigation plan

### 2.1. Condition:

Treatment of glomerulonephritis and nephrotic syndrome

#### 2.1.1. Indication(s) targeted by the PIP

Treatment of steroid-resistant nephrotic syndrome (SRNS) due to primary focal-segmental glomerulosclerosis (FSGS), minimal-change disease (MCD), diffuse mesangial proliferative disease (DMP) or IgM-nephropathy (IgMN) in patients from 1 year to less than 18 years of age.

#### 2.1.2. Subset(s) of the paediatric population concerned by the paediatric development

From 1 year to less than 18 years of age.

#### 2.1.3. Pharmaceutical form(s)

Film-coated tablet

Age-appropriate oral solid dosage form

#### 2.1.4. Measures

Area	Description
Quality-related studies	Study 1: Development of an age-appropriate oral solid dosage form Study 2: Food compatibility and in-use stability study.
Non-clinical studies	Not applicable
Clinical studies	Study 3: Open-label, randomized, active-controlled trial to evaluate pharmacokinetics, safety and efficacy of BI 764198 compared to

	standard-of-care in children from 1 year to less than 18 years of age with steroid-resistant nephrotic syndrome due to focal-segmental glomerulosclerosis, minimal-change disease, diffuse-mesangiproliferative disease, IgM-nephropathy or C1q deposit nephropathy with or without mesangial proliferation.
Modelling and simulation studies	<p>Study 4:</p> <p>Modelling and simulation study to select the dose of BI 764198, sample size and plasma sampling schedule for PIP study 3.</p> <p>Study 5:</p> <p>Population PK/PD model and exposure-response analysis.</p>
Other studies	Not applicable
Extrapolation plan	Not applicable

### 3. Follow-up, completion and deferral of PIP

Concerns on potential long term safety/efficacy issues in relation to paediatric use:	No
Date of completion of the paediatric investigation plan:	By February 2036
Deferral for one or more measures contained in the paediatric investigation plan:	Yes

## **Annex II**

### **Information about the authorised medicinal product**

***Information provided by the applicant:***

**The product is not authorised anywhere in the European Community.**