MHRA
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Canary Wharf
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United Kingdom

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Decision Cover Letter

Decision of the licensing authority to:

accept change(s) to the agreed paediatric investigation plan and to the deferral

MHRA-100224-PIP01-21

Scope of the Application

Active Substance(s)

Etrasimod L-arginine

Condition(s)

Treatment of ulcerative colitis

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

Arena Pharmaceuticals, Inc.

Basis for the Decision

Pursuant to the Human Medicines Regulations 2012, Arena Pharmaceuticals, Inc. submitted to the licensing authority on 18/10/2021 14:09 BST an application for a Paediatric Investigation Plan

The procedure started on 03/05/2022 11:58 BST

1. The licensing authority, having assessed the application in accordance with the Human Medicines Regulations 2012, decides, as set out in the appended summary report:

to accept change(s) to the agreed paediatric investigation plan and to the deferral

2. The measures and timelines of the paediatric investigation plan are set out in the Annex I.

This decision is forwarded to the applicant, together with its annex and appendix.

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Final Decision Letter

MHRA-100224-PIP01-21

Of 17/06/2022 09:05 BST

On the adopted decision for Etrasimod L-arginine (MHRA-100224-PIP01-21) in accordance with the Human Medicines Regulations 2012.

The licensing authority, in accordance with the Human Medicines Regulations 2012, has adopted this decision:

Agreement on modification of a paediatric investigation plan (including modification of a waiver or deferral included in that paediatric investigation plan)

This decision applies to a Paediatric Investigation Plan for Etrasimod L-arginine, Film-coated Tablet; Age-appropriate oral solid dosage form , Oral use .

This decision is addressed to Arena Pharmaceuticals, Inc., 6154 Nancy Ridge Drive, San Diego, United States, 92121

ANNEX I

1. Waiver

1.1 Condition:

Treatment of ulcerative colitis The waiver applies / applied to: Paediatric Subset(s): The paediatric population from birth to less than 2 years of age Pharmaceutical form(s): Film-coated Tablet; Age-appropriate oral solid dosage form Route(s) of administration: Oral use Reason for granting waiver: 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(s):

Treatment of ulcerative colitis

2.2 Indication(s) targeted by the PIP:

Treatment of moderately or severely active ulcerative colitis

2.3 Subset(s) of the paediatric population concerned by the paediatric development:

The paediatric population from 2 years to less than 18 years of age

2.4 Pharmaceutical Form(s):

Film-coated Tablet; Age-appropriate oral solid dosage form

2.5 Studies:

Study Type	Number of Studies	Study Description
Quality Measures	1	Study 1 Development of an age-appropriate oral solid dosage form.
Non-Clinical Studies	1	Study 2 (APD334.TOX.009) Definitive juvenile toxicity study in Sprague Dawley rats.
Clinical Studies	4	Study 3 (APD334-301) Randomised, double-blind, placebo-controlled study to assess efficacy and safety of etrasimod as compared to placebo in adolescents from 16 years to less than 18 years of age (and adults) with moderately to severely active ulcerative colitis (UC) over a 52 week treatment period. Study 4 (APD334-302) Randomised, double-blind, placebo-controlled study to assess efficacy after 12 weeks of treatment and safety of etrasimod as compared to placebo in adolescents from 16 years to less than 18 years of age (and adults) with moderately to severely active ulcerative colitis (UC). Study 5 (APD334-PED1, APD334-207) Open-label, single-arm, study to evaluate the efficacy, safety and pharmacokinetics of etrasimod, consisting of a 12-week induction period to evaluate the efficacy, safety and PK and pharmacodynamic (PD) relationship, and a 40-week treatment extension period to evaluate efficacy, PK, and long-term safety of etrasimod in adolescents from 12 years to less than 18 years of age with moderately to severely active ulcerative colitis

		(UC). Study 6 (APD334-PED2, APD334-208) Open-label, single-arm, study to evaluate the efficacy, safety and pharmacokinetics of etrasimod, consisting of a 12-week induction period to evaluate the efficacy, safety and PK and pharmacodynamic (PD) relationship, and a 40-week treatment extension period to evaluate efficacy, PK, and long-term safety of etrasimod in children from 2 years to less than 12 years of age with moderately to severely active ulcerative colitis (UC).
Extrapolation, Modeling & Simulation Studies	2	Study 7 (MODEL 1) Population pharmacokinetic model to predict PK exposures and determine appropriate doses in paediatric populations. Study 8 (MODEL 2) Population pharmacokinetic/pharmacodynamic model(s) (exposure-response analyses).
Other Studies	0	Not applicable
Other Measures	0	Not applicable

3. Follow-up, completion and deferral of a PIP:

Concerns on potential long term safety and efficacy issues in relation to paediatric use:	No
Date of completion of the paediatric investigation plan:	30/09/2025
Deferral of one or more studies contained in the paediatric investigation plan:	Yes