

Study registered at the country of origin: Specify

Date of registration in national regulatory agency

Study registered in clinicaltrials.gov

Primary sponsor: Country of origin

Type of registration: Justify

An Open-label Extension Study to Evaluate the Long-term Safety and Efficacy of Maralixibat in the Treatment of Subjects With Progressive Familial Intrahepatic Cholestasis (PFIC)

Protocol number

MRX-503

N/A

California

04/12/2019

Acronym

Acronym

11/09/2025 04:12:34

Main Information

Primary registry identifying number

LBCTR2021034759

MOH registration number

NCT04185363

Study registered at the country of origin

Type of registration

Date of registration in national regulatory

04/12/2019

Prospective

Primary sponsor

Mirum Pharmaceuticals Inc

Date of registration in primary registry

21/03/2021

Public title

An Open-label Extension Study to Evaluate the Long-term Safety and Efficacy of Maralixibat in the Treatment of Subjects With Progressive Familial Intrahepatic Cholestasis (PFIC)

Scientific title

An Extension Study of Maralixibat in Patients With Progressive Familial Intrahepatic Cholestasis (PFIC)

Brief summary of the study: English

This is an open-label, multicenter, Phase 3 study to evaluate the long-term safety and efficacy of maralixibat in the treatment of pediatric subjects with PFIC.

Brief summary of the study: Arabic

في علاج الأطفال الذين يعانون من maralixibat لتقييم السلامة على المدى الطويل وفعالية 3هذه دراسة مفتوحة ، متعددة المراكز ، المرحلة

Health conditions/problem studied: Specify

Progressive Familial Intrahepatic Cholestasis (PFIC)

Interventions: Specify

Dose, route, frequency: Subjects will receive maralixibat oral solution based on their individual body weight, up to 600 µg/kg BID.

Key inclusion and exclusion criteria: Inclusion criteria

- 1. Provide informed consent and assent (as applicable) per Institutional Review Board/Ethics Committee.
- 2. Completion of study MRX-502; treatment interruption between MRX-502 and MRX-503 should be avoided. Subjects who do not complete the study MRX-503 Baseline Visit (Day 0) on the same day as the study MRX-502 EOT Visit will be considered for participation in study MRX-503 only after discussion with the Medical Monitor.





- 3. Males and females of non-childbearing potential. Males and non-pregnant, non-lactating females of childbearing potential who are sexually active must agree to use acceptable contraception during the study through 30 days after the last dose of maralixibat.
- 4. Females of childbearing potential must have a negative urine pregnancy test at the Baseline Visit (Day 0).
- 5. Access to email or telephone for scheduled remote visits.
- 6. Ability to read and understand the questionnaires (both caregivers and subjects above the age of assent).
- 7. Access to consistent caregiver(s) during the study.
- 8. Subject and caregiver willingness to comply with all study visits and requirements.

Key inclusion and exclusion criteria: Gender

Key inclusion and exclusion criteria: Specify gender

Both

Key inclusion and exclusion criteria: Age minimum

Key inclusion and exclusion criteria: Age maximum

Key inclusion and exclusion criteria: Exclusion criteria

1. Any female who is pregnant or lactating or who is planning to become pregnant.

- 2. Administration of prohibited medication between the MRX-502 EOT visit and the MRX-503 Baseline Visit (Day 0).
- 3. History of non-compliance in study MRX-502, non-adherence to medical regimens, unreliability, mental instability, or incompetence that could compromise the validity of informed consent or lead to non-adherence with the study protocol based on Investigator judgment.

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- 4. Experienced an adverse event (AE) or serious adverse event (SAE) related to maralixibat during the MRX-502 study that led to permanent discontinuation of the subject from maralixibat.
- 5. Any other conditions or laboratory abnormalities that, in the opinion of the Investigator or Sponsor Medical Monitor, may compromise the safety of the subject, or interfere with the subject participating in or completing the study.
- 6. Cognitive impairment of the subject or caregiver that would, in the opinion of the Investigator, preclude appropriate understanding of study information and compliance with study procedures.

Type of study

Interventional

Type of intervention Type of intervention: Specify type

Pharmaceutical N/A

Trial scope Trial scope: Specify scope

Other

Study design: Allocation Study design: Masking

N/A Open (masking not used)

Study design: Control Study phase

N/A

Study design: Purpose Study design: Specify purpose

Treatment

Study design: Assignment Study design: Specify assignment

Single N/A

IMP has market authorization IMP has market authorization: Specify

No

Name of IMP Year of authorization Month of authorization

Maralixbat

Type of IMP

Others

Pharmaceutical class

Maralixibat is an inhibitor of the apical sodium-dependent bile acid transporter/ileal bile acid transporter/solute carrier family 10 (sodium/bile acid cotransporter family) member 2 (ASBT/IBAT/SLC10A2), a transmembrane protein localized on the luminal surface of ileal enterocytes.

Therapeutic indication





Progressive familial intrahepatic cholestasis (PFIC)

Therapeutic benefit

The overall safety, tolerability, and preliminary efficacy of maralixibat in ongoing and completed studies indicate that there is a positive benefit-to-risk profile for the treatment of rare pediatric cholestatic liver

Given the clinical outcomes associated with PFIC, including the negative impact on patients' and caregivers' quality of life, and the fact that there are currently no approved treatments, there is a high unmet medical need for a novel treatment for this disease.

Study model Study model: Explain model

N/A

Study model: Specify model

Time perspective Time perspective: Explain time perspective

N/A N/A

Time perspective: Specify perspective

N/A

Target follow-up duration Target follow-up duration: Unit

Number of groups/cohorts

Biospecimen retention Biospecimen description

None retained **Blood samples**

Target sample size Actual enrollment target size

90

Date of completion

Date of first enrollment: Date Date of first enrollment: Type

Anticipated 01/05/2021

Date of study closure: Type Date of study closure: Date

Anticipated 30/12/2022

Recruitment status **Recruitment status: Specify**

Other Enrolling by invitation

IPD sharing statement plan IPD sharing statement description

No



The Sponsor and/or its representatives accessing the records and data will take all reasonable precautions in accordance with applicable laws, regulations, and guidelines to maintain the confidentiality of subjects' identities. Subjects are assigned a unique identifying number; however, their initials and date of birth may also be collected, if permitted under local laws governing privacy

Additional data URL

Admin comments

Trial status

Approved

Secondary Identifying Numbers	
Full name of issuing authority	Secondary identifying number
US NCT	NCT04185363

Sources of Monetary or Material Support

Name

Mirum Pharmaceuticals Inc. 950 Tower LaneFoster City, CA 94404

Secondary Sponsors

Name

N/A

Contact for Public/Scientific Queries						
Contact type	Contact full name	Address	Country	Telephone	Email	Affiliation
Public	Hanen Hamid	City: Aley, Town: Bchamoun, Street: Yanar Street, Building 33, Ground Floor	Lebanon	+9618102 1910	Hanen.hamid@cl inart.net	Clinart
Scientific	Adib Moukarzel	HDF	Lebanon	009613516 060	adib.moukarzel@ usj.edu.lb	Hotel Dieu du France



Centers/Hospitals Involved in the Study			
Center/Hospital name	Name of principles investigator	Principles investigator speciality	Ethical approval
Hotel Dieu De France	Adib Moukarzel	Gastroenterology	Approved

Ethics Review				
Ethics approval obtained	Approval date	Contact name	Contact email	Contact phone
Hotel Dieu de France	30/03/2020	Nancy Choucair Alam	nancy.alam@usj.edu.lb	961 1 421 000 ext 2335

Countries of Recruitment		
Name		
Lebanon		
Argentina		
Colombia		
United Kingdom		
United States of America		
Austria		
Belgium		
Brazil		
Canada		
France		
Germany		
Italy		
Mexico		
Poland		
Singapore		
Turkey		
Hungary		



Health Conditions or Problems Studied		
Condition	Code	Keyword
Progressive Familial Intrahepatic Cholestasis	2-Propanol (T51.2)	(PFIC)

Interventions		
Intervention	Description	Keyword
Maralixibat Chloride	Inhibitor of the apical sodium-dependent bile acid transporter/ileal bile acid transporter/solute carrier family 10 (sodium/bile acid cotransporter family) member 2 (ASBT/IBAT/SLC10A2)	Maralixibat

Primary Outcomes		
Name	Time Points	Measure
Incidence of Treatment Emergent Adverse Events (TEAEs) during the study	changes from non-serious to serious	Severity of AE

Key Secondary Outcomes		
Name	Time Points	Measure
Mean change from baseline over time in serum bile acid	Normalisation of sBA	sBA levels



Trial Results	
Summary results	
Study results globally	
Date of posting of results summaries	Date of first journal publication of results
Results URL link	
Baseline characteristics	
Participant flow	
Adverse events	
Outcome measures	
URL to protocol files	