

Clinical Trial Protocol

Iranian Registry of Clinical Trials

09 Jun 2026

A randomized, open label, single dose, crossover, bioequivalence study of Mebeverin 200mg capsule of Actover Co., IRAN and Clofac 200mg capsule of Solvey in 24 healthy adult subjects under fasting condition

Protocol summary

1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 6.0, 8.0, 10.0 & 24.0 hr. after dosing

Study aim

A randomized, open label, single dose, crossover, bioequivalence study of Mebeverin 200mg capsule of Actover Co., IRAN and Clofac 200mg capsule of Solvey in 24 healthy adult subjects under fasting condition

Design

A randomized, open label, single dose, crossover, bioequivalence study in 24 healthy subjects under fasting condition

Settings and conduct

This study is carried out in Core Research Center of Zahedan University of Medical Sciences located in Imam Ali Hospital in Zahedan. There is a separate space for sampling and forecasting emergency situations in order to accommodate and rest the volunteers. This crossover and open label study was performed on 24 healthy volunteers. The volunteers' health is verified by the project physician prior to entry into the study, and the volunteers' status is regularly monitored by the project physician on the day of drug administration. This study will be covered by insurance in order to compensate for any adverse effects.

Participants/Inclusion and exclusion criteria

Main Inclusion criteria: Healthy subjects aged between 18 -50 years old and weighted between 50 - 100 kg\\ Main exclusion criteria: Clinically relevant deviations from normal; Donation a unit of blood or participated in another clinical trial within the last three months; History of drug or alcohol abuse; Used any medication within 7-14 days before the first treatment;

Intervention groups

Intervention: Mebeverin 200mg capsule, produced by Actover Co., (IRAN), single dose. Control: Clofac 200mg capsule, produced by Solvey company, single dose.

Main outcome variables

Plasma concentration of DMAC (demethylmebeverine acid) and Mebeverine acid at 0 (before dosing), 0.5, 1.0,

General information

Reason for update

Acronym

IRCT registration information

IRCT registration number: **IRCT20190706044111N29**

Registration date: **2022-11-12, 1401/08/21**

Registration timing: **prospective**

Last update: **2022-11-12, 1401/08/21**

Update count: **0**

Registration date

2022-11-12, 1401/08/21

Registrant information

Name

Ladan Tayebi

Name of organization / entity

Pars Biopharmacy Research Co.

Country

Iran (Islamic Republic of)

Phone

+98 21 8895 6061

Email address

l.tayebi@parsbiopharmacy.com

Recruitment status

Recruitment complete

Funding source

Expected recruitment start date

2022-11-22, 1401/09/01

Expected recruitment end date

2023-11-22, 1402/09/01

Actual recruitment start date

empty

Actual recruitment end date

empty

Trial completion date

empty

Scientific title

A randomized, open label, single dose, crossover, bioequivalence study of Mebeverin 200mg capsule of Actover Co., IRAN and Clofac 200mg capsule of Solvey in 24 healthy adult subjects under fasting condition

Public title

Bioequivalence study of Mebeverin 200mg capsule of Actover Co., IRAN

Purpose

Other

Inclusion/Exclusion criteria**Inclusion criteria:**

- Aged between 18 - 50 years - Body weight between 50 - 100 kg - Having good health on the basis of medical history and physical & clinical examination - Understand the procedures and give written informed consent

Exclusion criteria:

Subject had undergone surgery of the gastro-intestinal tract Subject had donated a unit of blood or participated in another clinical trial, within the last two months before the first treatment. Subject had a history of drug or alcohol abuse. Subject who smokes more than 10 cigarettes per day. Subject had used any prescription medication within 14 days, or any non-prescription medication within 7 days, before the first treatment.

Age

From **18 years** old to **50 years** old

Gender

Both

Phase

Bioequivalence

Groups that have been masked

No information

Sample size

Target sample size: **24**

More than 1 sample in each individual

Number of samples in each individual: **2**

Each volunteer, 2 times take medicine in the study. One-time test product and the other time reference product with at least one week wash-out period.

Randomization (investigator's opinion)

Randomized

Randomization description

Names or codes assigned to volunteers are entered in a column of the Excel program. In the other column, using the rand command, a number between 0 and 1 is randomly assigned to each volunteer. Then, based on the order of the numbers (for example, from the smallest number to the largest), the first 12 people are placed in the AB sequence (test-reference) and the next 12 people are in the BA sequence (reference-test).

Blinding (investigator's opinion)

Not blinded

Blinding description**Placebo**

Not used

Assignment

Crossover

Other design features**Secondary Ids**

empty

Ethics committees**1****Ethics committee****Name of ethics committee**

Ethics committee of Zahedan University of medical Sciences

Street address

Dr. Hessabi square Zahedan University of Medical Sciences

City

Zahedan

Province

Sistan-va-Balouchestan

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9816743463

Approval date

2022-07-24, 1401/05/02

Ethics committee reference number

IR.ZAUMS.REC.1401.142

Health conditions studied**1****Description of health condition studied**

Irritable bowel syndrome

ICD-10 code

K58

ICD-10 code description

Irritable bowel syndrome

Primary outcomes**1****Description**

Plasma concentration of DMAC (demethylmebeverine acid) and Mebeverine acid

Timepoint

at 0 (before dosing), 0.5, 1.0, 1.5, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 6.0, 8.0, 10.0 & 24.0 hr. after dosing

Method of measurement

Using High Performance Liquid Chromatography wit MS detector (HPLC/MS)

Secondary outcomes

empty

Intervention groups

1

Description

Intervention group: Mebeverin 200mg capsule, produced by Actover Co., (IRAN), single dose

Category

Other

2

Description

Control group: Clofac 200mg capsule, produced by Solvey company, single dose.

Category

Other

Recruitment centers

1

Recruitment center

Name of recruitment center

Core Research Lab. of ZAUMS

Full name of responsible person

Ebrahim Kord

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Emam Ali Hospital, Salamat Blv., Khalij-e-Fars Highway

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Sponsors / Funding sources

1

Sponsor

Name of organization / entity

Actover Pharm. Co.

Full name of responsible person

Nahaleh Naraghi

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No 58, 8th St, Kouye Nasr St

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Grant name

Grant code / Reference number

Is the source of funding the same sponsor organization/entity?

Yes

Title of funding source

Actover Pharm. Co.

Proportion provided by this source

100

Public or private sector

Private

Domestic or foreign origin

Domestic

Category of foreign source of funding

empty

Country of origin

Type of organization providing the funding

Industry

Person responsible for general inquiries

Contact

Name of organization / entity

Pars Biopharmacy Research Co.

Full name of responsible person

Ladan Tayebi

Position

Managing Director

Latest degree

Medical doctor

Other areas of specialty/work

Medical Pharmacy

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Person responsible for updating data

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Sharing plan

Deidentified Individual Participant Data Set (IPD)

Undecided - It is not yet known if there will be a plan to make this available

Study Protocol

Undecided - It is not yet known if there will be a plan to make this available

Statistical Analysis Plan

Undecided - It is not yet known if there will be a plan to make this available

Informed Consent Form

Undecided - It is not yet known if there will be a plan to make this available

Clinical Study Report

Undecided - It is not yet known if there will be a plan to make this available

Analytic Code

Undecided - It is not yet known if there will be a plan to make this available

Data Dictionary

Undecided - It is not yet known if there will be a plan to make this available