

A study to evaluate the safety, tolerability, processing by the body, and response of the body to the drug RO7497987 in single and multiple ascending doses in healthy volunteers

Submission date 24/11/2021	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered <input type="checkbox"/> Protocol
Registration date 29/11/2021	Overall study status Completed	<input type="checkbox"/> Statistical analysis plan <input checked="" type="checkbox"/> Results
Last Edited 14/04/2026	Condition category Other	<input type="checkbox"/> Individual participant data

Plain English summary of protocol

Background and study aims

The aim of this study is to test the drug RO7497987 at different doses to find out if it is safe, to find out the effects of RO7497987 on the body, and to understand how the human body processes it. In this study, participants will receive either one or two dose(s) of RO7497987. RO7497987 is an experimental drug, which means health authorities have not approved RO7497987 for the treatment of any disease, and it has not been tested in people before this study.

Who can participate?

Healthy people aged between 18 to 65 years old.

What does the study involve?

Participants will be screened to see if they may participate in the study. During screening, participants undergo a physical examination and electrocardiogram (ECG) and blood and urine samples will be taken. In addition, their height, weight, and vital signs will be measured.

Participants will be placed in one of the following treatment groups. Group 1 will receive one dose of RO7497987 given as an infusion (into the vein). Group 2 will receive multiple doses of RO7497987, given as an infusion.

Treatment will be given in a clinic. Participants will be required to check into the treatment center 1 day before they receive the study treatment, and the duration of time participants will stay in the treatment center is based on the treatment assigned.

After the treatment period ends, participants will return to the clinic for follow-up visits. During these visits, participants will be asked about their well-being, their vital signs will be taken and additional blood samples will be collected.

What are the possible benefits and risks of participating?

Participants will not receive any benefit from participating in this study, but the information that is learned may help people with certain cancers in the future.

The potential side effects related to the study drug, based on laboratory studies or knowledge of similar drugs, are listed below:

1. Infusion-related or allergic reaction with symptoms such as fever, chills, etc
2. Minimal to mild increase in liver enzymes
3. Increase in the size of participant's lymph nodes, spleen, or other organs
4. Interactions with vaccine/immunisation
5. There may be a risk in exposing an unborn child to the study drug, and all the risks are not known at this time.

Where is the study run from?

F. Hoffmann-La Roche (USA)

When is the study starting and how long is it expected to run for?

June 2021 to January 2023

Who is funding the study?

F. Hoffmann-La Roche (USA)

Who is the main contact?

global-roche-genentech-trials@gene.com

Contact information

Type(s)

Public

Contact name

Dr Clinical Trials

Contact details

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Additional identifiers

Protocol serial number

GO43310

Study information

Scientific Title

A Phase IA, open-label study to evaluate the safety, tolerability, pharmacokinetics, and pharmacodynamics of RO7497987 in single and multiple ascending doses in healthy volunteers

Study objectives

RO7497987 will be safe and well-tolerated in healthy volunteers.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Approved 14/10/2021, WCG IRB (1019 39th Avenue SE, Suite 120, Puyallup, WA, 98374, USA; +1 (0)855 818 2289; researchquestions@wcgirb.com [given to subjects], clientservices@wcgirb.com [for CROs to contact the IRB]), ref: 20215288

Study design

Phase IA open-label single-centre dose-escalation study

Primary study design

Interventional

Study type(s)

Other

Health condition(s) or problem(s) studied

Safety, tolerability, pharmacokinetics, and pharmacodynamics of RO7497987

Interventions

Single Ascending Dose (SAD): RO7497987 monotherapy single dose given intravenously (IV) at Cycle 1 Day 1. Cohorts of at least 6 participants each will be treated at escalating doses of RO7497987

Multiple Ascending Dose (MAD): RO7497987 monotherapy given intravenously (IV) at Cycle 1 Day 1 and Cycle 2 Day 1, 21 days apart. Cohorts of at least 6 participants each will be treated with RO7497987 at dose levels determined based on the safety data, tolerability, pharmacokinetics, and pharmacodynamics tested in the SAD cohorts

Intervention Type

Drug

Phase

Phase I

Drug/device/biological/vaccine name(s)

RO7497987

Primary outcome(s)

1. Percentage of participants with adverse events and severity per National Cancer Institute-Common Terminology Criteria for Adverse Events Version 5.0 (NCI-CTCAE V5.0) from screening up to approximately 13 months
2. Targeted vital signs measured using clinical examinations at every visit from study initiation up to approximately 3 months after the last dose
3. Targeted clinical laboratory test results measured using blood and urine samples at selected timepoints from study initiation up to approximately 3 months after the last dose

Key secondary outcome(s)

1. Myeloid cells in the peripheral blood following administration of RO7497987 measured using blood samples at multiple timepoints from study initiation up to approximately 3 months after the last dose
2. Serum concentration of RO7497987 measured using blood samples at multiple timepoints from study initiation up to approximately 3 months after the last dose
3. Pharmacokinetic parameters (i.e., AUC, T_{max}, C_{max}, CL, V_{ss}/F, and t_{1/2}) measured using blood samples at multiple timepoints from study initiation up to approximately 3 months after the last dose
4. Prevalence and incidence of anti-drug antibodies measured using blood samples at baseline and after initiation of study treatment, from study initiation up to approximately 13 months

Completion date

19/01/2023

Eligibility

Key inclusion criteria

1. Age ≥18 years and ≤65 years at the time of signing Informed Consent Form (ICF)
2. A minimum weight of 40 kg at screening
3. Body mass index of 18-32 kg/m² at screening
4. Adequate hematologic and end-organ function

Participant type(s)

Healthy volunteer

Healthy volunteers allowed

No

Age group

Mixed

Lower age limit

18 years

Upper age limit

65 years

Sex

All

Total final enrolment

0

Key exclusion criteria

1. History or active diseases of bone marrow disorders
2. History of malignancy within 5 years prior to screening
3. Vaccine immunization within 2 weeks prior to initiation of study drug
4. Known infection/COVID-19 positive or persistent symptoms of SARS-CoV-2
5. HIV positive

6. Active Hepatitis B or Hepatitis C infections
7. Current tobacco use
8. History or currently active of autoimmune disease
9. Significant cardiovascular disease
10. Known clinically significant liver and renal diseases

Date of first enrolment

30/11/2021

Date of final enrolment

28/08/2022

Locations

Countries of recruitment

United States of America

Study participating centre

PRA Lenexa Clinic

Lenexa

United States of America

66219

Sponsor information

Organisation

Roche (United States)

ROR

<https://ror.org/011qkaj49>

Funder(s)

Funder type

Industry

Funder Name

F. Hoffmann-La Roche

Alternative Name(s)

Hoffman-La Roche, F. Hoffmann-La Roche Ltd.

Funding Body Type

Private sector organisation

Funding Body Subtype

For-profit companies (industry)

Location

Switzerland

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not expected to be made available

Study outputs

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
Results article		24/03/2026	14/04/2026	Yes	No