

1. Identification

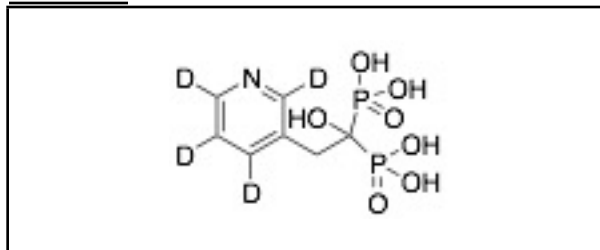
Catalogue Number

R521502

Lot Number

1-HMA-119-1

Structure



Product Name

Risedronic Acid-d4 (Major)

Synonyms

[1-Hydroxy-2-(3-pyridinyl)ethylidene]bis phosphonic Acid-d4; Actonel-d4;

CAS Number

1035438-80-2

Solubility

Aqueous Base (Slightly), Water
(Very Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room
Temperature

Molecular Formula

C₇H₇D₄NO₇P₂

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Hygroscopic

Molecular Weight

287.14

Purity

96%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White to Off-White Solid

NMR

Conforms to Structure

Conforms

P NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 26.77, %H: 4.24, %N: 4.47

HPLC Purity

Report Result

96.45% (265 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

97.1%

Additional Information

Normalized Intensity: d₀ = 0.41%, d₁ = 0.33%, d₂ = 2.47%, d₃ = 4.13%, d₄ = 92.66%

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed.

The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by

Jingning Zhou

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Christina Gouliaras

Quality Assurance Associate

Test Date

8/29/2024

Retest Date

8/27/2028