

1. Identification

Catalogue Number

L330402

Lot Number

19-JHY-94-1

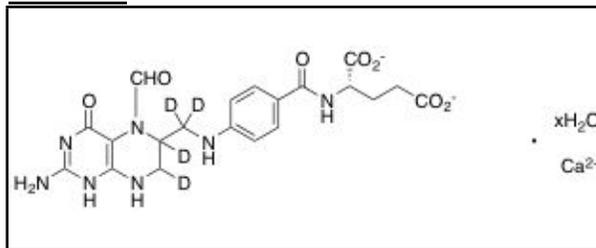
Product Name

Leucovorin-d4 Calcium Salt Hydrate, > 90%

Synonyms

N-[4-[[[(2-Amino-5-formyl-1,4,5,6,7,8-hexahydro-4-oxo-6-pteridyl)methyl]amino]benzoyl-d4]-L-glutamic Acid Calcium Salt Hydrate; Calcium Folinatate-d4; Folaren-d4; Foliben-d4; Folidan-d4; Folinic Acid-d4 Calcium Salt Hydrate; Lederfolat-d4; Lederfolin-d4;

Structure



CAS Number

N/A

Solubility

Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₀H₁₇D₄CaN₇O₇ • xH₂O

Source of Product

Synthetic

Long Term Storage Conditions

-20°C

Molecular Weight

515.53 [Anhydrous]

Purity

>90%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

Pale Yellow to Yellow Solid

Results

Pale Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 37.43, %H: 4.94, %N: 15.09

HPLC Purity

Report Result

91.69% (205 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

96.5%

Water Content

Report Result

16.6% by Karl Fischer

Additional Information

Normalized Intensity: d₀ = 0.33%, d₁ = 0.68%, d₂ = 0.99%, d₃ = 8.49%, d₄ = 89.51%

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

Meenakshi Sharma
Product Quality Specialist

Reviewed by

Toni Rantanen
Manager, Quality Assurance

C of A Approved by

Chanell Chu
Quality Assurance Associate

Test Date

11/6/2023

Retest Date

11/4/2027