

1. Identification

Catalogue Number

T291402

Lot Number

22-AKS-143-3

Product Name

Tetracycline-d6 (>80%)

Synonyms

[4S-(4?,4a?,5a?,6?,12a?)]-4-(Dimethylamino-d6)-1,4,4a,5,5a,6,11,12a-octahydro-3,6,10,12,12a-pentahydroxy-6-methyl-1,11-dioxo-2-naphthacenecarboxamide; (-)-Tetracycline-d6; Abramycin-d6; Liquamycin-d6; Tsiklomitsin-d6;

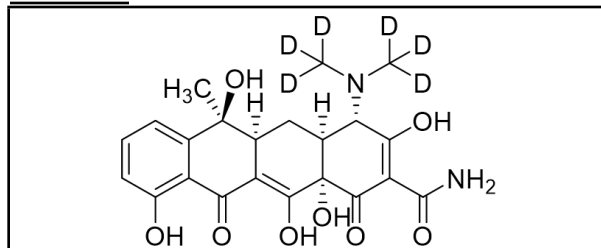
CAS Number

N/A

Solubility

Methanol (Slightly), Water (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₂H₁₈D₆N₂O₈

Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

450.47

Purity

>80%

2. Warnings

Light Sensitive

3. Analytical Information

Tests

Appearance

Specifications

Pale Yellow to Brown Solid

Results

Yellow Solid

NMR

Conforms to Structure

Conforms

HPLC Purity

Report Result

89.00% (275 nm)

MS

Conforms to Structure

Conforms

Isotopic Purity

>95%

98.6%

Additional Information

Normalized Intensity: d₀ = 0.00%, d₁ = 0.04%, d₂ = 0.02%, d₃ = 0.46%, d₄ = 0.43%, d₅ = 6.15%, d₆ = 92.90%

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



Jessica Wang Chi

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Quality Assurance Associate

Test Date

6/3/2025

Retest Date

6/1/2029