

**1. Identification**Catalogue Number

M344798

Lot Number

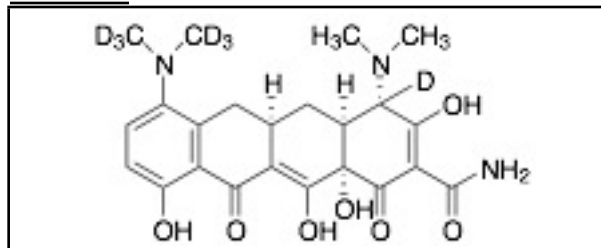
24-AKS-87-2

Product Name

Minocycline-d7 (Major)

Synonyms

(4S,4aS,5aR,12aS)-4-(Dimethylamino)-7-[di(methyl-d3)amino]-1,4,4a,5,5a,6,11,12a-octahydro-3,10,12,12a-tetrahydroxy-1,11-dioxo-2-naphthacenecarboxamide-d7

StructureCAS Number

N/A

Solubility

Methanol (Slightly), Water (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula $C_{23}H_{20}D_7N_3O_7$ Source of Product

Synthetic

Long Term Storage Conditions

-20°C, Inert atmosphere, Light sensitive

Molecular Weight

464.52

Purity

>95%

2. Warnings

Light Sensitive

3. Analytical InformationTests

Appearance

Specifications

Light Yellow to Dark Orange Solid

Results

Yellow to Dark Yellow Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 57.70, %H: 5.70, %N: 8.80

HPLC Purity

>95%

96.55% (220 nm)

MS

Conforms to Structure

Conforms

Specific Rotation

Report Result

-41.7° (c = 0.1, DMSO)

Additional InformationNormalized Intensity: $d_0 = 0.00\%$, $d_1 = 0.04\%$, $d_2 = 0.06\%$, $d_3 = 0.03\%$, $d_4 = 0.56\%$, $d_5 = 7.42\%$, $d_6 = 45.40\%$, $d_7 = 46.50\%$

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. 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. SignaturesReviewed by

Henry Tieu

Product Quality Specialist

Reviewed by

Toni Rantanen

Manager, Quality Assurance

C of A Approved by

Chanell Chu

Jr. Quality Assurance

Test Date

6/13/2023

Retest Date

6/11/2027