



CERTIFICATE OF ANALYSIS

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1. Identification

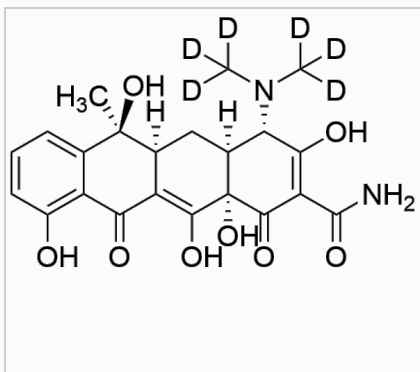
Catalogue Number: T291402

CAS Number: NA

Synonym: [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; Liguamycin-d6; Tsiklomitsin-d6;

Product: Tetracycline-d6 (>80%)

Structure:



Molecular Formula:

C₂₂H₁₈D₆N₂O₈

Molecular weight:

450.47

Source of Product:

Synthetic

Solubility:

DMSO (Slightly), Methanol (Slightly), Water (Slightly)

Lot Number: 7-WJS-47-1

Purity: >80%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	Pale Yellow to Brown Solid	Light Yellow Solid
HPLC Purity	Report Result	94.81% (270 nm)
NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms
Isotopic Purity	>95%	98.6% (d0 = 0.34%)
Specific Rotation	Report Result	-234.6° (c = 0.1, Methanol)

Additional Information: N/A

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	Reviewed By	C of A Approved By	Test Date	Retest Date
Henry Tieu	Toni Rantanen	Chanell Chu	7/12/2021	7/10/2025