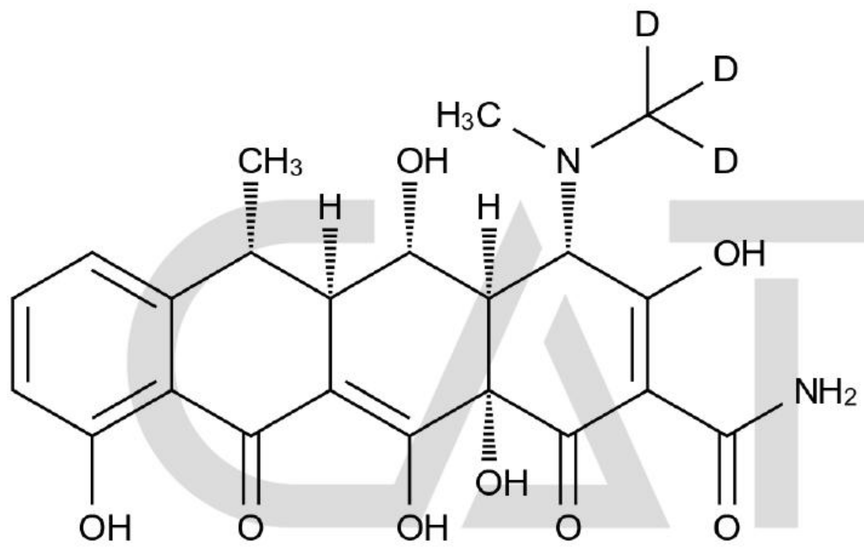
Certificate of Analysis

Reference Material & Standard

Product Name:	Doxycycline-d3	**Catalogue Number:**	C1931587
Synonyms:	N/A	**Lot Number:**	1011-RH-0001
CAS Number:	2747918-45-0	**Expiry Date:**	Jun 01, 2029
Molecular Formula:	$C_{22}H_{21}D_3N_2O_8$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	447.45	**Shipping Condition:**	Shipping with Ice Packs
		Warning:	

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.5%
Isotopic Purity		99.8%
Specific Rotation		[α]D25.0(C=0.41, DMSO): +28.7°

Signature:

Prepared by: Date: Oct 13, 2026

Reviewed by: Date: Oct 13, 2026

Approved by General Manager: Date: Oct 13, 2026

CATO Research Chemicals Inc.