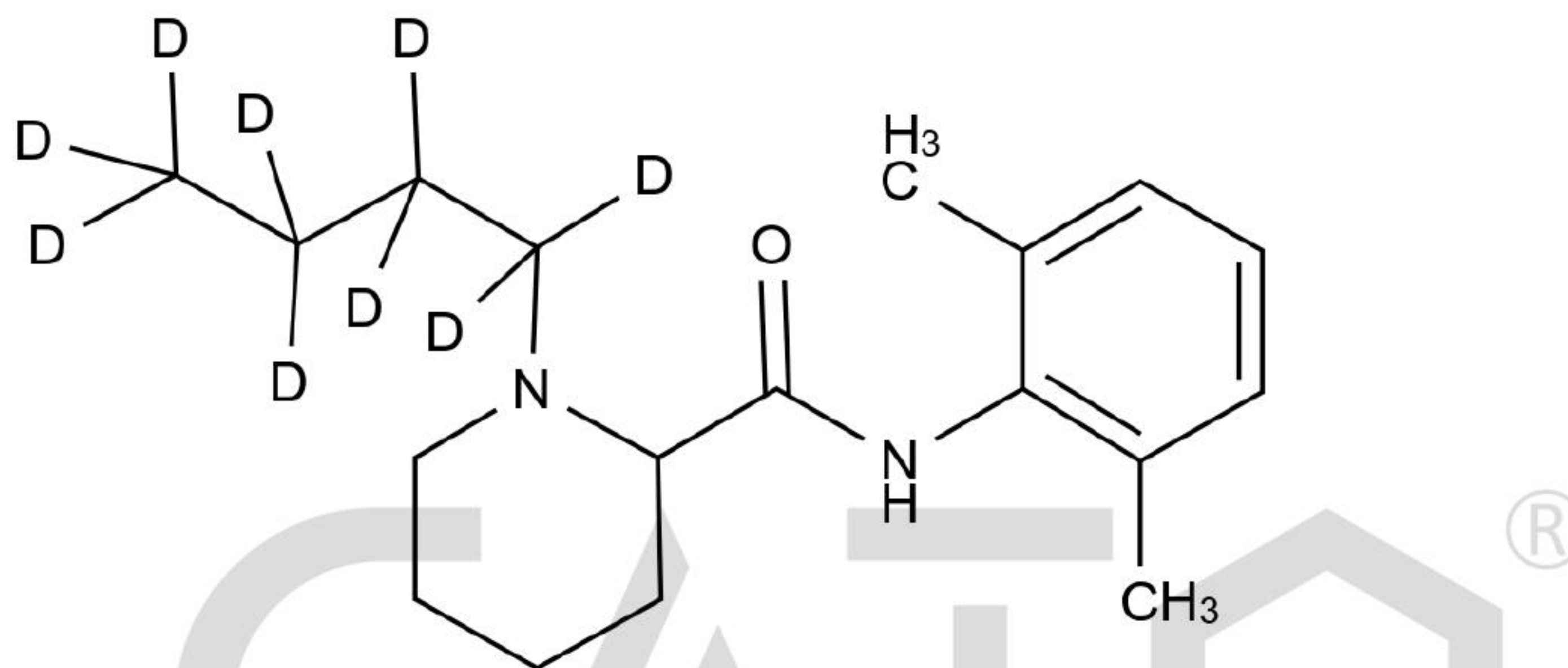


Certificate of Analysis

Reference Material

Product Name:	Bupivacaine-d9	Catalogue Number:	C4X-148225
Chemical Name:	N/A	Lot Number:	0522-RE-0040
CAS Number:	474668-57-0	Expiry Date:	Aug 24, 2025
Molecular Formula:	C ₁₈ H ₁₉ D ₉ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	297.48		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	100.0%
Isotopic Purity		99.2%
Residual Solvents	NMR	Not detected in NMR
Assay	qNMR	99.8%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Aug 25, 2022

Date: May 22, 2023

Date: May 22, 2023

