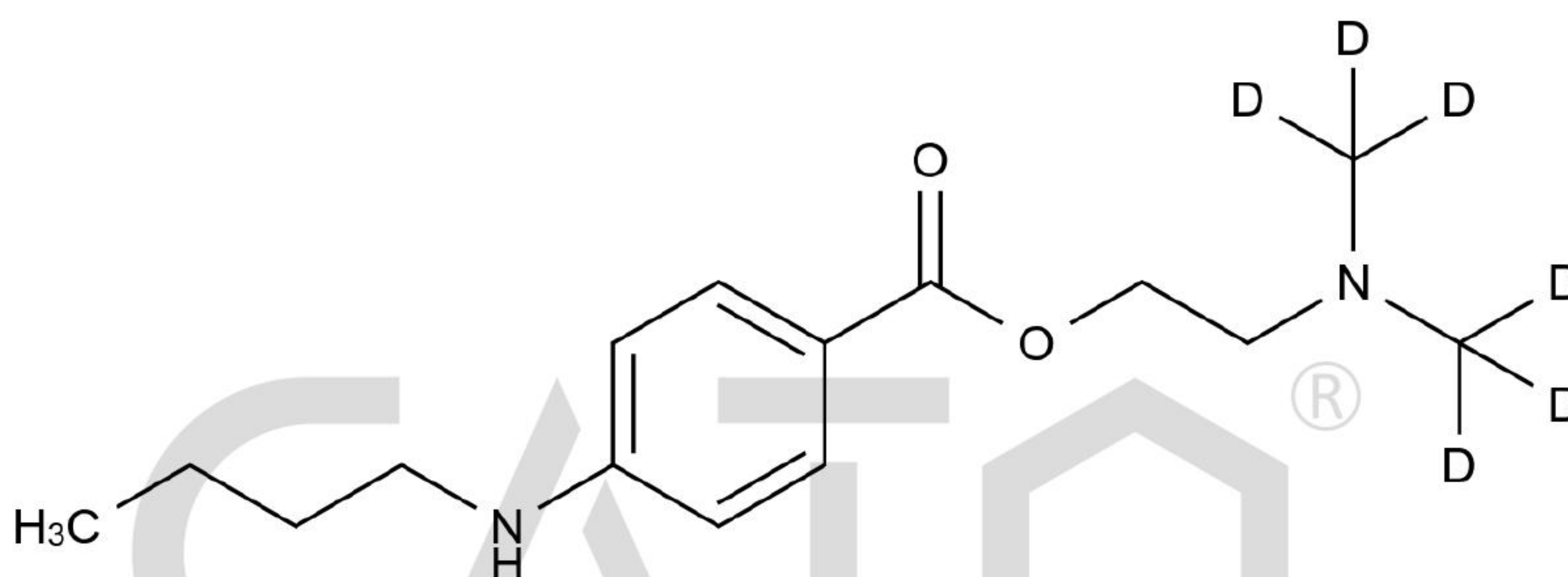


Certificate of Analysis

Reference Material & Standard

Product Name:	Tetracaine-d6	Catalogue Number:	C4X-192334
Synonyms:	N/A	Lot Number:	0730-RG-0076
CAS Number:	756771-02-5	Expiry Date:	Apr 21, 2029
Molecular Formula:	C ₁₅ H ₁₈ D ₆ N ₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	270.40		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	98.4494%
Isotopic Purity		99.8%
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	Not detected in NMR
Assay		98.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 01, 2025

Date: Aug 01, 2025

Date: Aug 01, 2025

