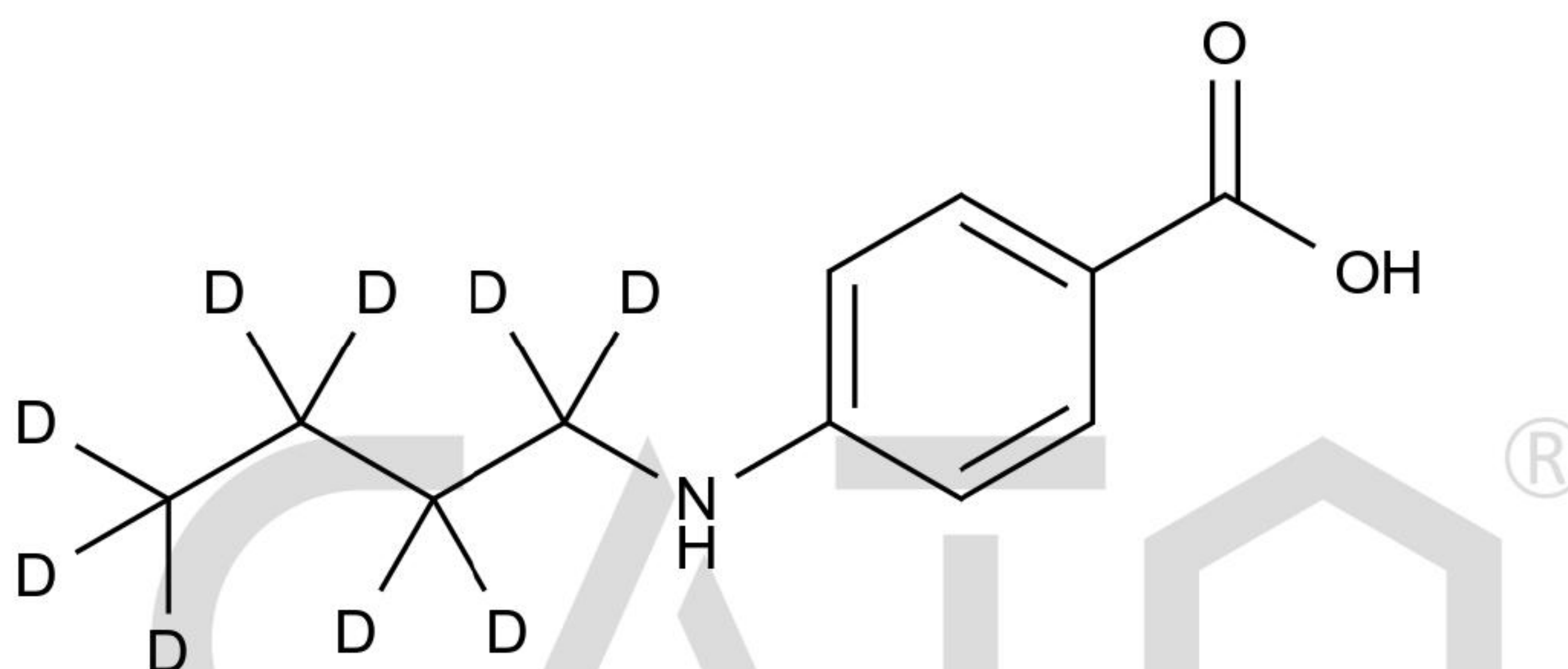


Certificate of Analysis

Reference Material & Standard

Product Name:	Tetracaine EP Impurity B-d9	Catalogue Number:	C4X-192338
Synonyms:	N/A	Lot Number:	0730-RG-0075
CAS Number:	1309935-92-9	Expiry Date:	May 22, 2029
Molecular Formula:	C ₁₁ H ₆ D ₉ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	202.30		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.9514%
Isotopic Purity		99.5%
Water Content	Karl Fischer	0.10%
Residual Solvents	NMR	0.3% ethyl acetate
Assay		99.6%

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

