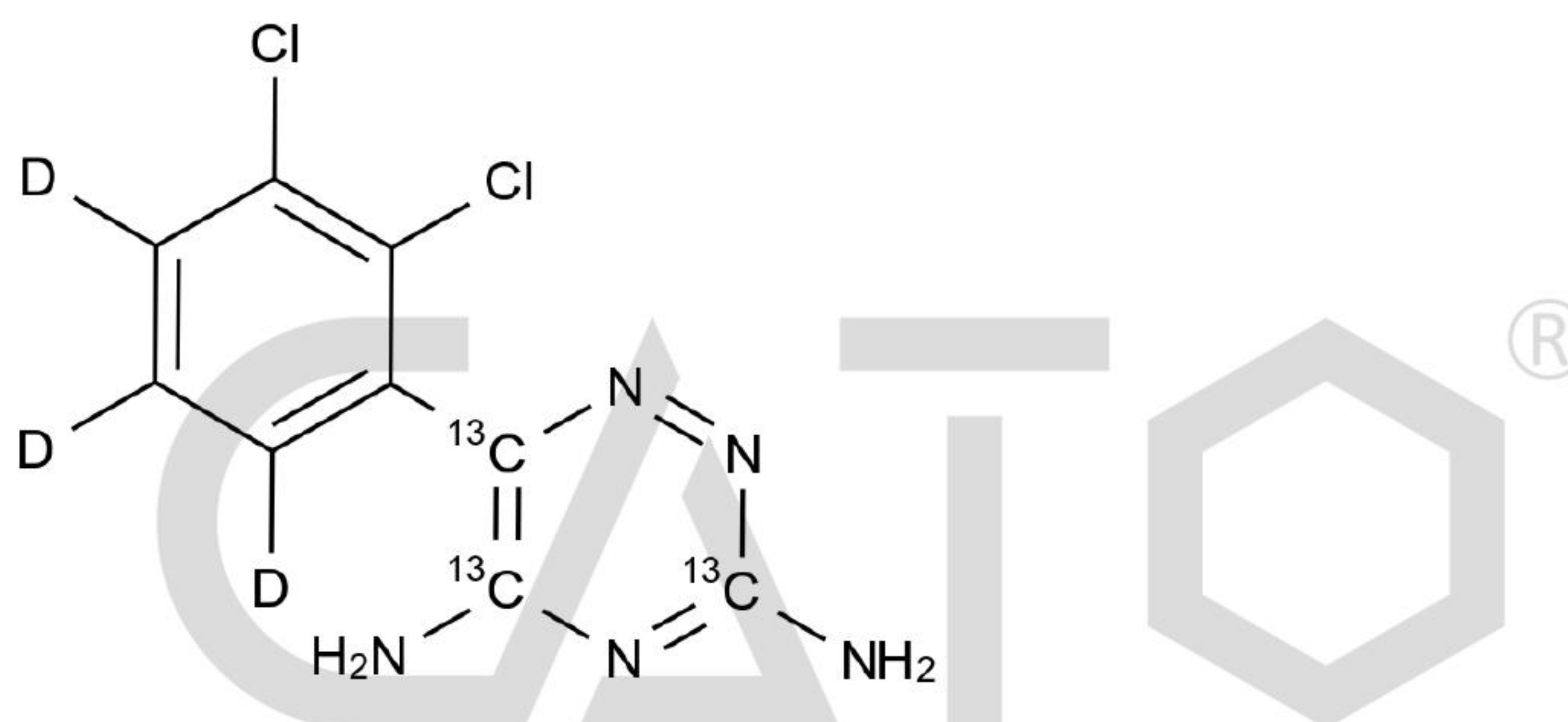


Certificate of Analysis

Reference Material & Standard

Product Name:	Lamotrigine-13C-d3	Catalogue Number:	C4X-16727
Synonyms:	N/A	Lot Number:	C4X-16727-1906
CAS Number:	1246815-13-3	Expiry Date:	Jun 20, 2023
Molecular Formula:	C ₆ [13C] ₃ H ₄ D ₃ Cl ₂ N ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	262.09	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.9628%
Isotopic Purity		98.6%
Water Content	Karl Fischer	6.6%
Residual Solvents	NMR	Not detected in NMR
Assay		93.4%

Comment:

The calculation of the mass balance 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:

Hinlam

Reviewed by:

Cady

Approved by General Manager:

David

Date: Jul 22, 2021

Date: Jul 27, 2021

Date: Jul 27, 2021



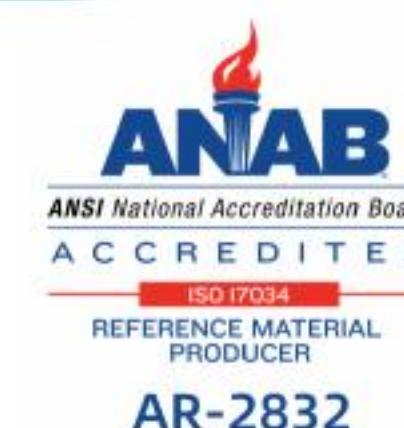
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



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