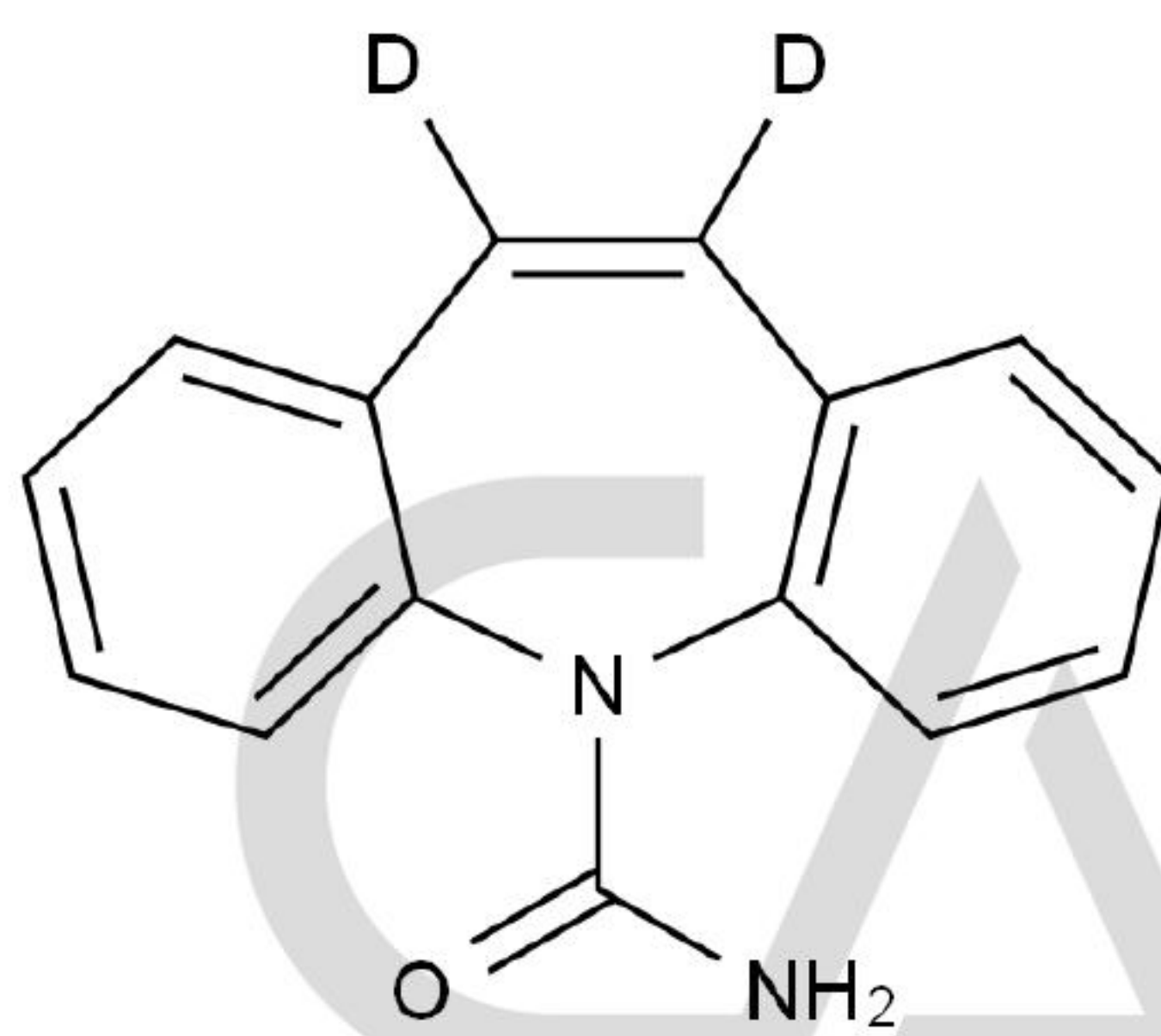


Certificate of Analysis

Reference Material & Standard

Product Name:	Carbamazepine-d2 (Major)	Catalogue Number:	C4X-11815
Synonyms:	N/A	Lot Number:	0330-RH-0203
CAS Number:	1189902-21-3	Expiry Date:	Sep 30, 2030
Molecular Formula:	C ₁₅ H ₁₀ D ₂ N ₂ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	238.28	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Chemical Purity	HPLC	99.81%
Isotopic Purity		D0: 0.00%, D1: 1.65%, D2: 61.82%, D3: 32.66%, D4: 3.87%
Water Content	Karl Fischer	9.00%
Assay		90.8%

Comment:

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

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: May 07, 2026

Date: May 07, 2026

Date: May 07, 2026



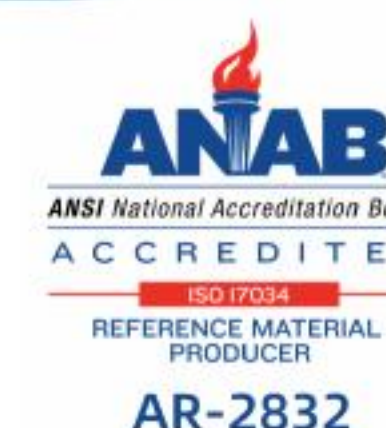
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