

Certificate of Analysis

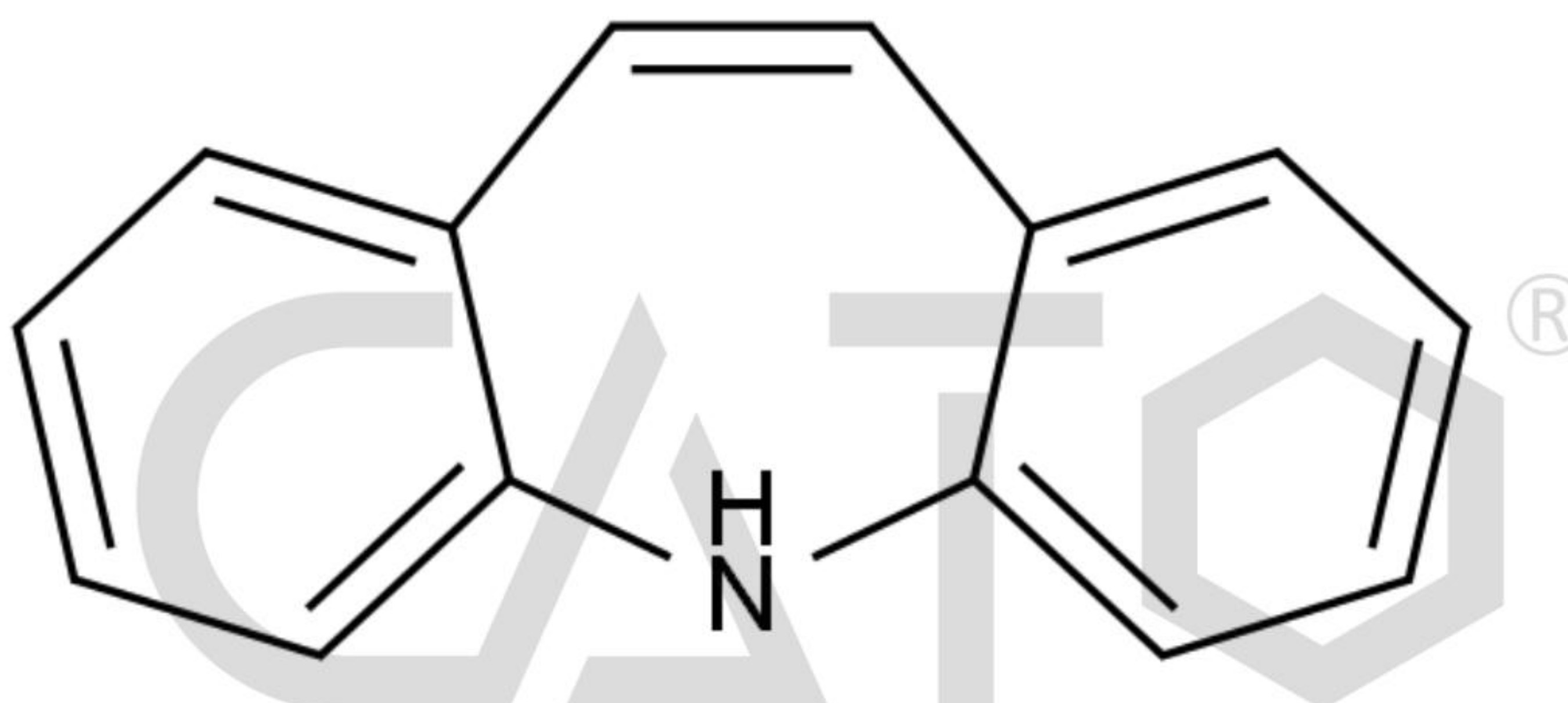
Reference Material & Standard

Product Name:	Carbamazepine EP Impurity D	Catalogue Number:	C4X-116410
Synonyms:	N/A	Lot Number:	0815-RF-0053
CAS Number:	256-96-2	Expiry Date:	Nov 26, 2029
Molecular Formula:	C ₁₄ H ₁₁ N	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	193.24	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.789%
Loss on Drying	TGA	0.0414%
Assay		99.7%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 27, 2025

Date: Nov 28, 2025

Date: Nov 28, 2025



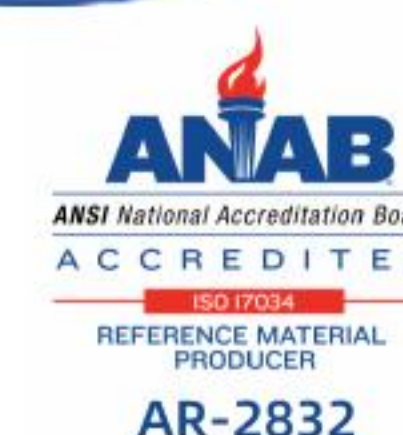
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