

Certificate of Analysis

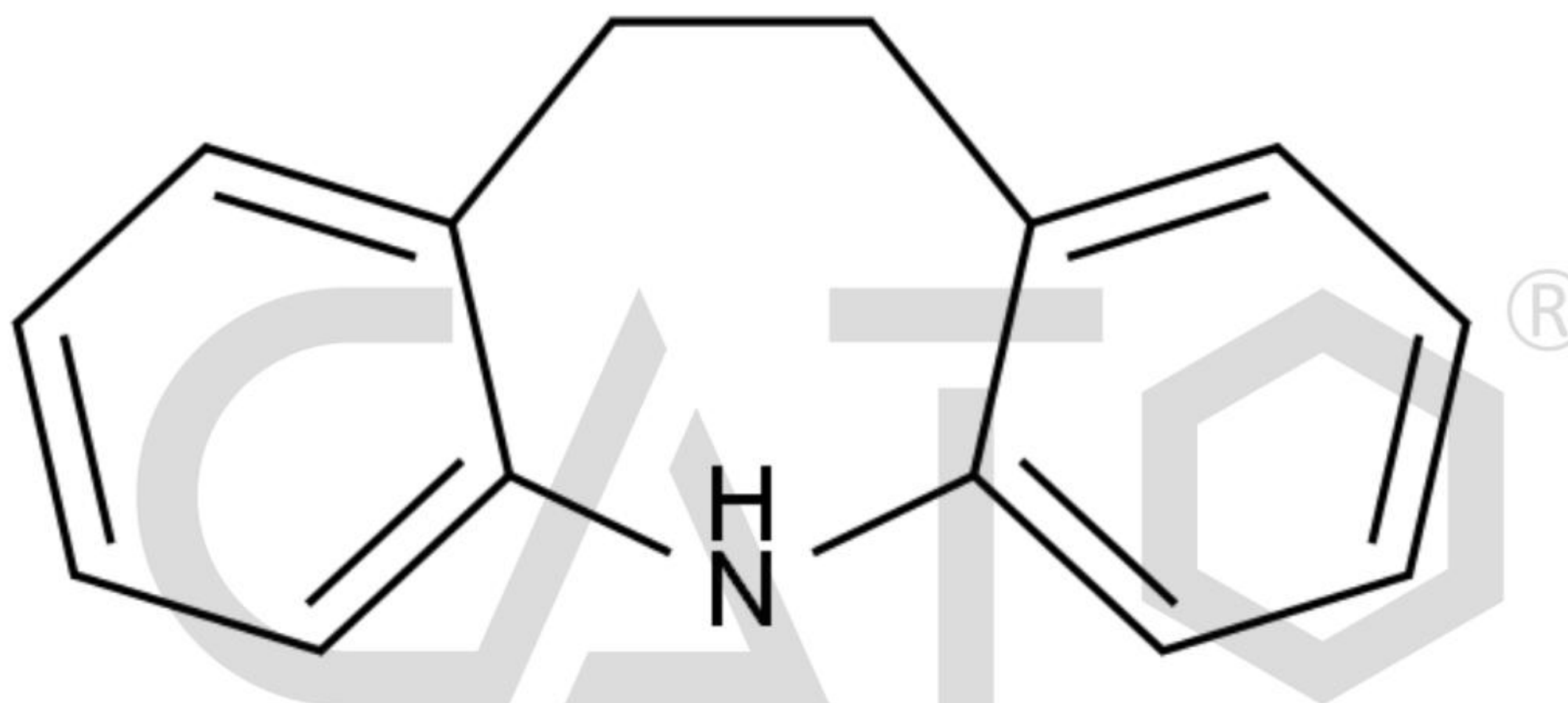
Reference Material & Standard

Product Name:	Clomipramine EP Impurity E	Catalogue Number:	C4X-116411
Synonyms:	N/A	Lot Number:	0430-RB-0016
CAS Number:	494-19-9	Expiry Date:	Nov 26, 2029
Molecular Formula:	C ₁₄ H ₁₃ N	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	195.26	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Brown Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.9858%
Residue on Ignition	Muffle Furnace	0.02%
Loss on Drying	TGA	1.3668%
Assay		97.6%

Comment:

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

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

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

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Reviewed by:

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Approved by General Manager:

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Date: Nov 27, 2025

Date: Nov 28, 2025

Date: Nov 28, 2025



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