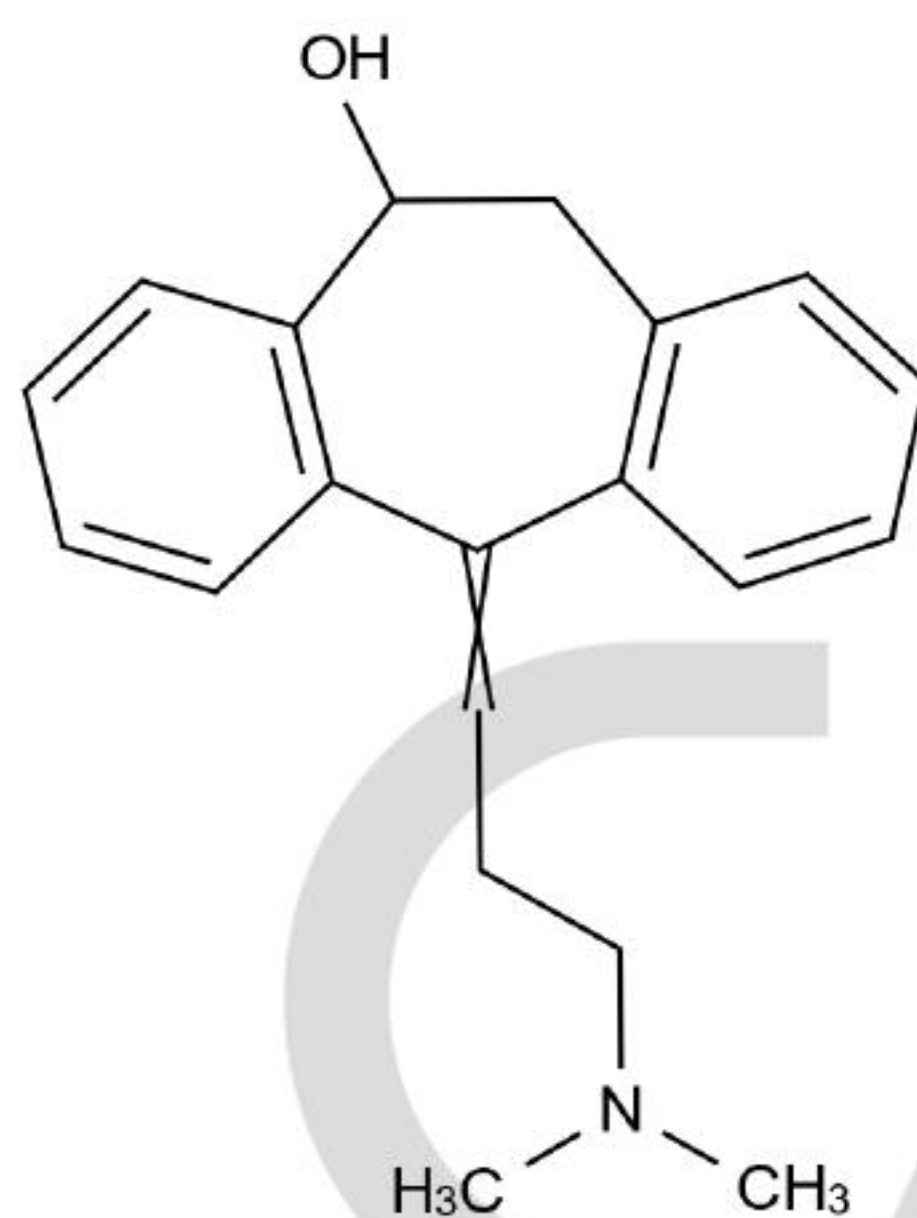


Certificate of Analysis

Reference Material & Standard

Product Name:	Amitriptyline EP Impurity F	Catalogue Number:	C4X-15419
Synonyms:	N/A	Lot Number:	0108-RF-0014
CAS Number:	1159-82-6	Expiry Date:	Dec 25, 2026
Molecular Formula:	C ₂₀ H ₂₃ NO	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	293.40	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.5562%
Water Content	Karl Fischer	0.00%
Residual Solvents	NMR	0.2% n-hexane and 0.4% ethyl acetate
Assay		99.0%

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:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jan 09, 2024

Date: Jan 09, 2024

Date: Jan 09, 2024



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