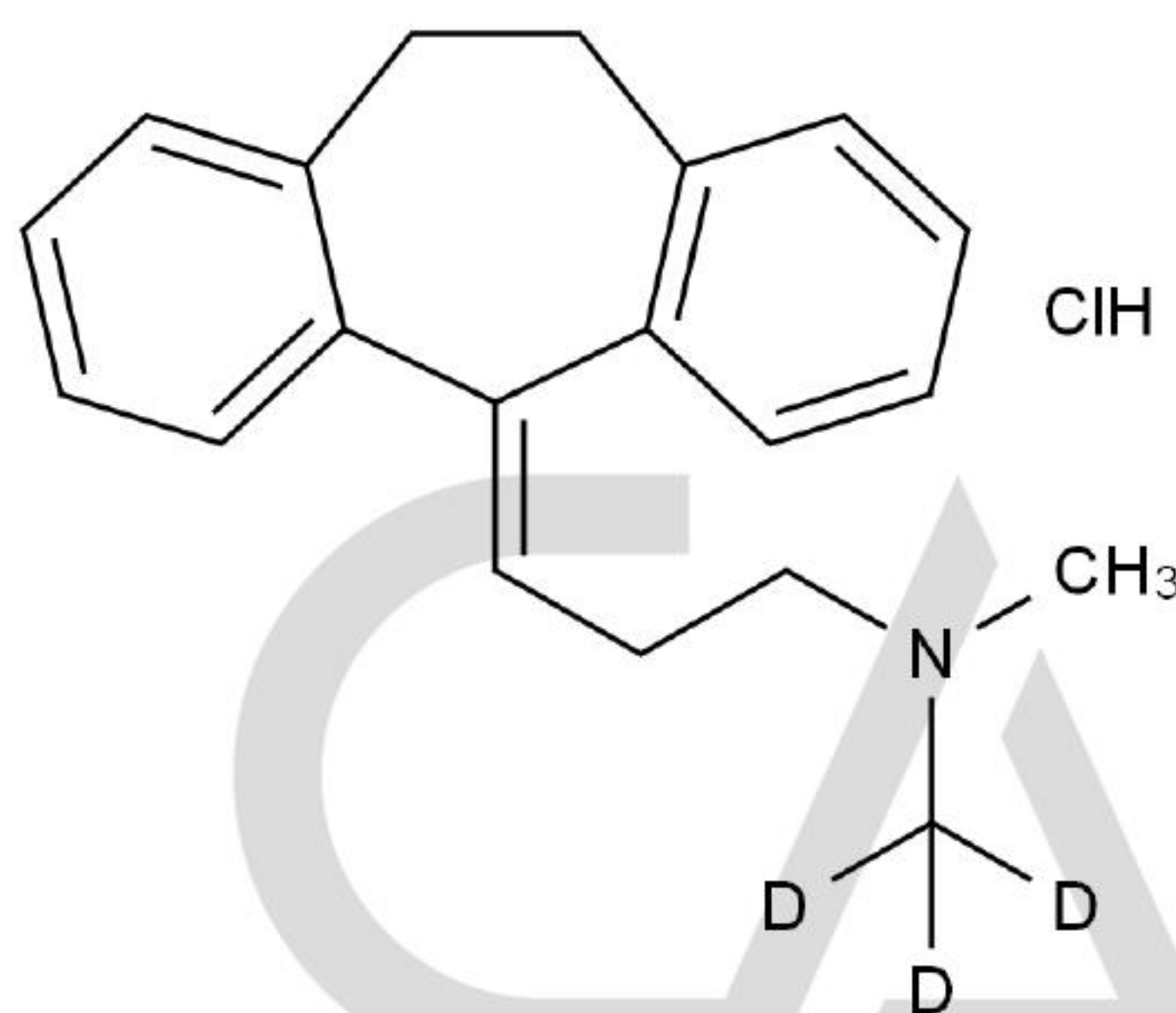


Certificate of Analysis

Reference Material & Standard

Product Name:	Nortriptyline EP Impurity F-d3 HCl	Catalogue Number:	C4X-15416
Synonyms:	N/A	Lot Number:	1227-RD-0032
CAS Number:	342611-00-1	Expiry Date:	Dec 13, 2025
Molecular Formula:	C ₂₀ H ₂₀ D ₃ N HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	280.42 36.46	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	99.8747%
Isotopic Purity		99.1%
Water Content	Karl Fischer	0.0%
Residual Solvents	NMR	0.2% ethyl acetate
Assay		99.7%

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:

Nacy

Reviewed by:

Xenia

Approved by General Manager:

David

Date: Dec 14, 2022

Date: Jan 04, 2023

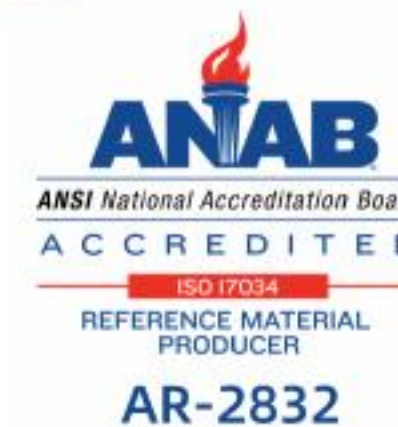
Date: Jan 04, 2023

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