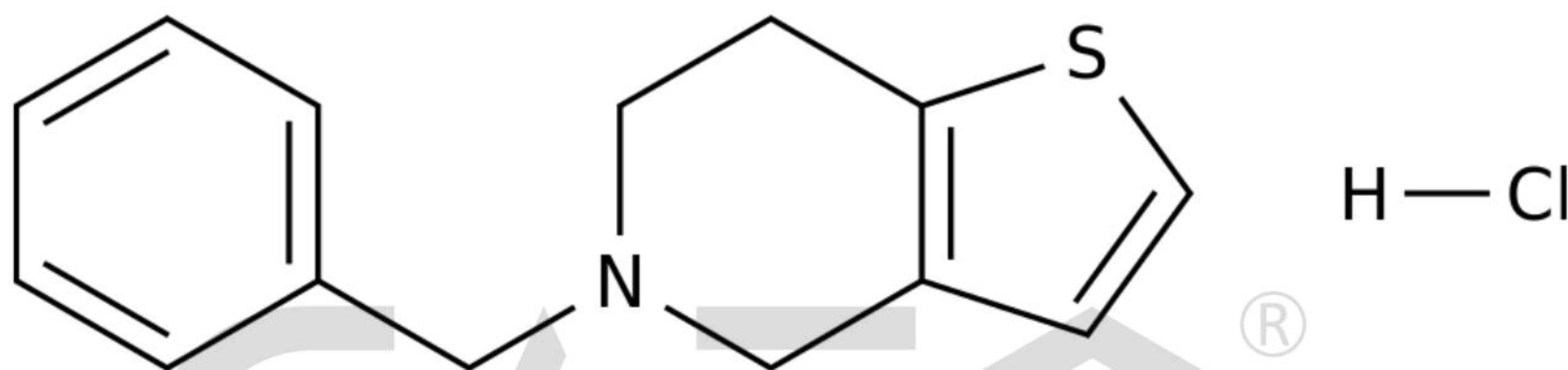


Certificate of Analysis

Reference Material & Standard

Product Name:	Ticlopidine EP Impurity D HCl	Catalogue Number:	C4X-22902
Synonyms:	N/A	Lot Number:	0729-RC-0015
CAS Number:	54903-07-0	Expiry Date:	Apr 16, 2023
Molecular Formula:	C ₁₄ H ₁₅ NS HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	229.34 36.46	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	100.0000%
Water Content	Karl Fischer	0.1%
Residual Solvents	NMR	0.1% acetonitrile
Assay		99.8%

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:

Cady

Reviewed by:

Debra

Approved by General Manager:

David

Date: Jul 29, 2021

Date: Jul 30, 2021

Date: Jul 30, 2021



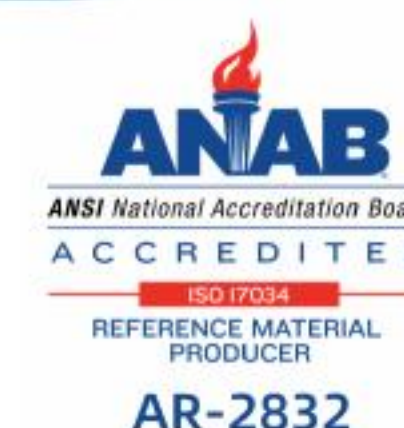
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