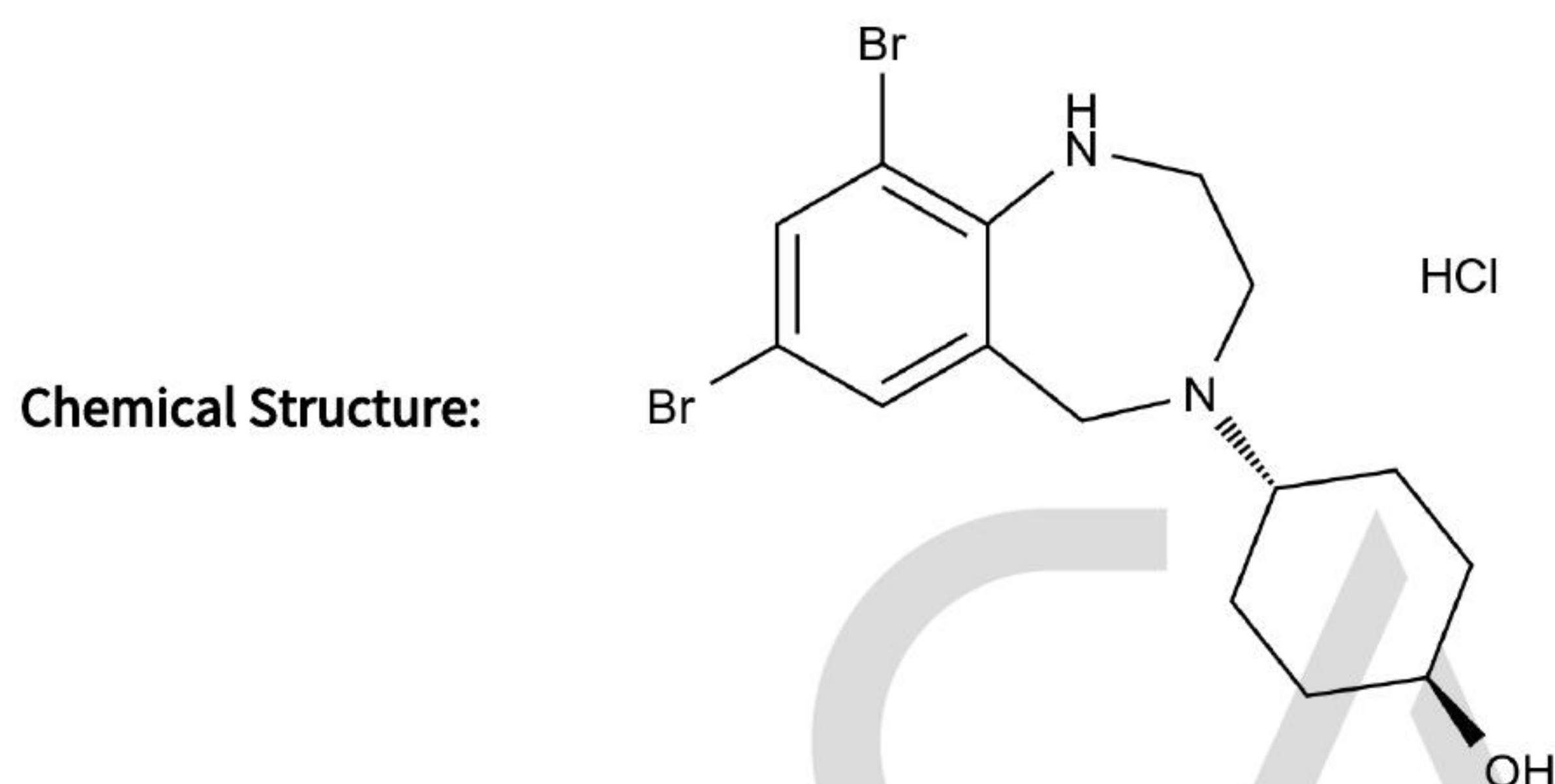


Certificate of Analysis

Reference Material & Standard

Product Name:	Ambroxol Impurity 59 HCl	Catalogue Number:	C4X-108560
Synonyms:	N/A	Lot Number:	0617-RF-0080
CAS Number:	2664887-34-5	Expiry Date:	Oct 30, 2026
Molecular Formula:	C ₁₅ H ₂₀ Br ₂ N ₂ O HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	404.14 36.46		



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.057%
Water Content	Karl Fischer	0.33%
Residual Solvents	NMR	0.12% methanol
Assay		97.6%

Comment:

The calculation of the 100% 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:

Hinlam

Approved by General Manager:

David

Date: Jun 19, 2024

Date: Jun 19, 2024

Date: Jun 19, 2024

