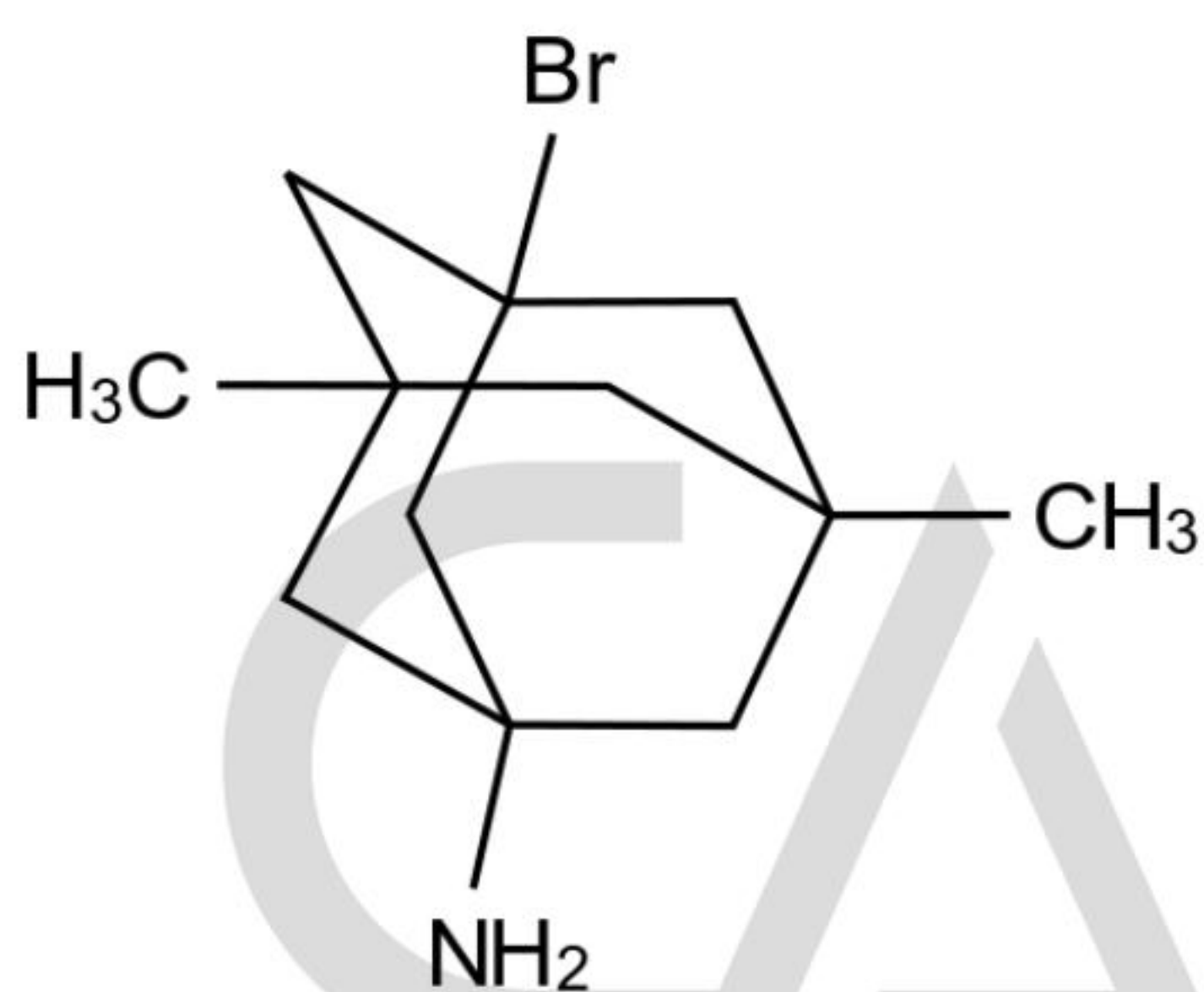


Certificate of Analysis

Reference Material & Standard

Product Name:	Memantine Impurity 64	Catalogue Number:	C4X-105864
Synonyms:	N/A	Lot Number:	0506-RH-0070
CAS Number:	2123482-13-1	Expiry Date:	Apr 26, 2028
Molecular Formula:	C ₁₂ H ₂₀ BrN	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	258.20	Shipping Condition:	Shipping with Dry Ice

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	1.435%
Residual Solvents	NMR	Not detected in NMR
Assay		98.6%

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:

Reviewed by:

Approved by General Manager:

Date: May 07, 2026

Date: May 07, 2026

Date: May 07, 2026



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