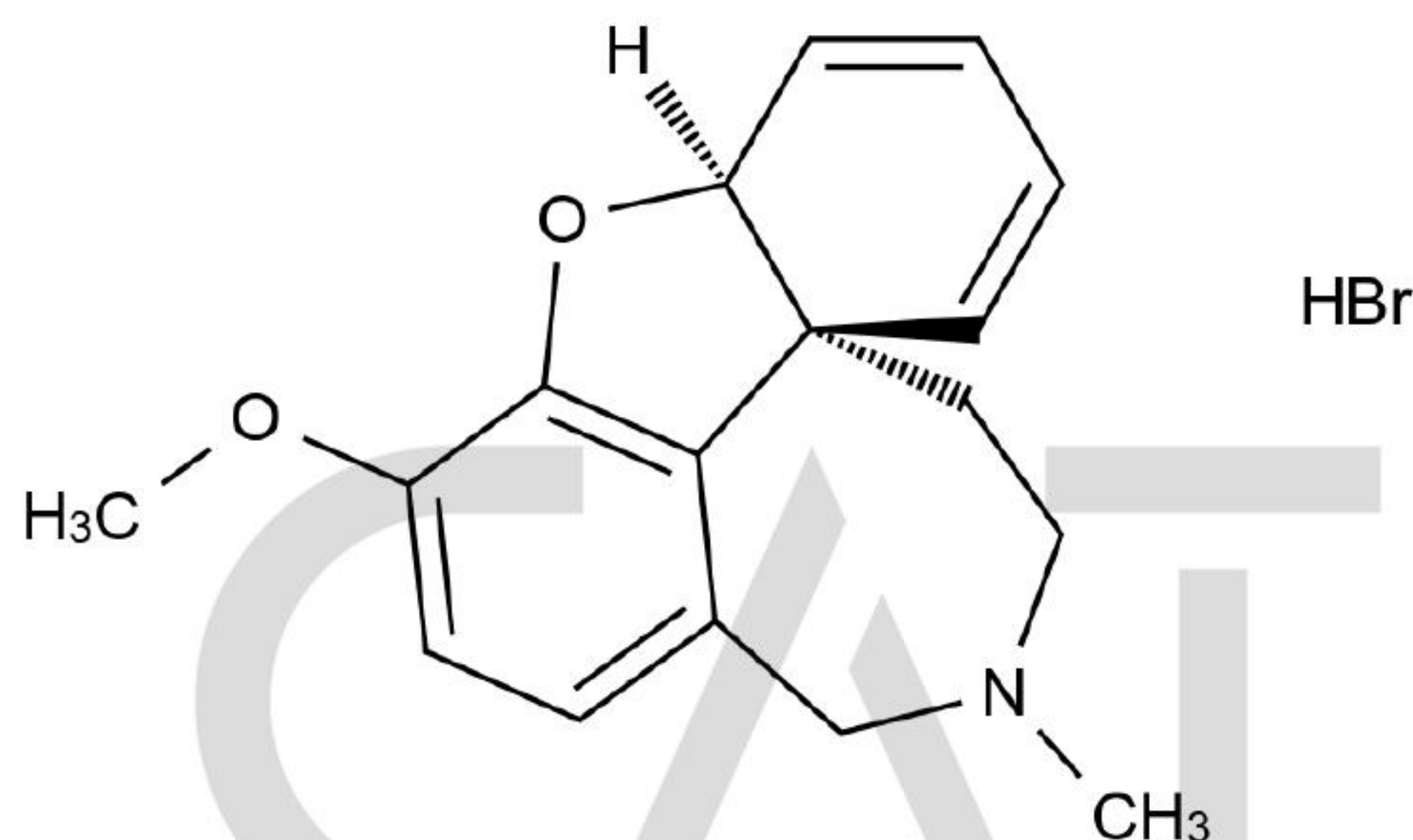


Certificate of Analysis

Reference Material & Standard

Product Name:	Galantamine EP Impurity D HBr	Catalogue Number:	C4X-143520
Synonyms:	N/A	Lot Number:	0527-RF-0063
CAS Number:	N/A	Expiry Date:	Jul 05, 2030
Molecular Formula:	C ₁₇ H ₁₉ NO ₂ HBr	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	269.34 80.91	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	97.529%
Water Content	Karl Fischer	3.25%
Residual Solvents	NMR	Not detected in NMR
Assay		94.4%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 06, 2026

Date: Jul 07, 2026

Date: Jul 07, 2026



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