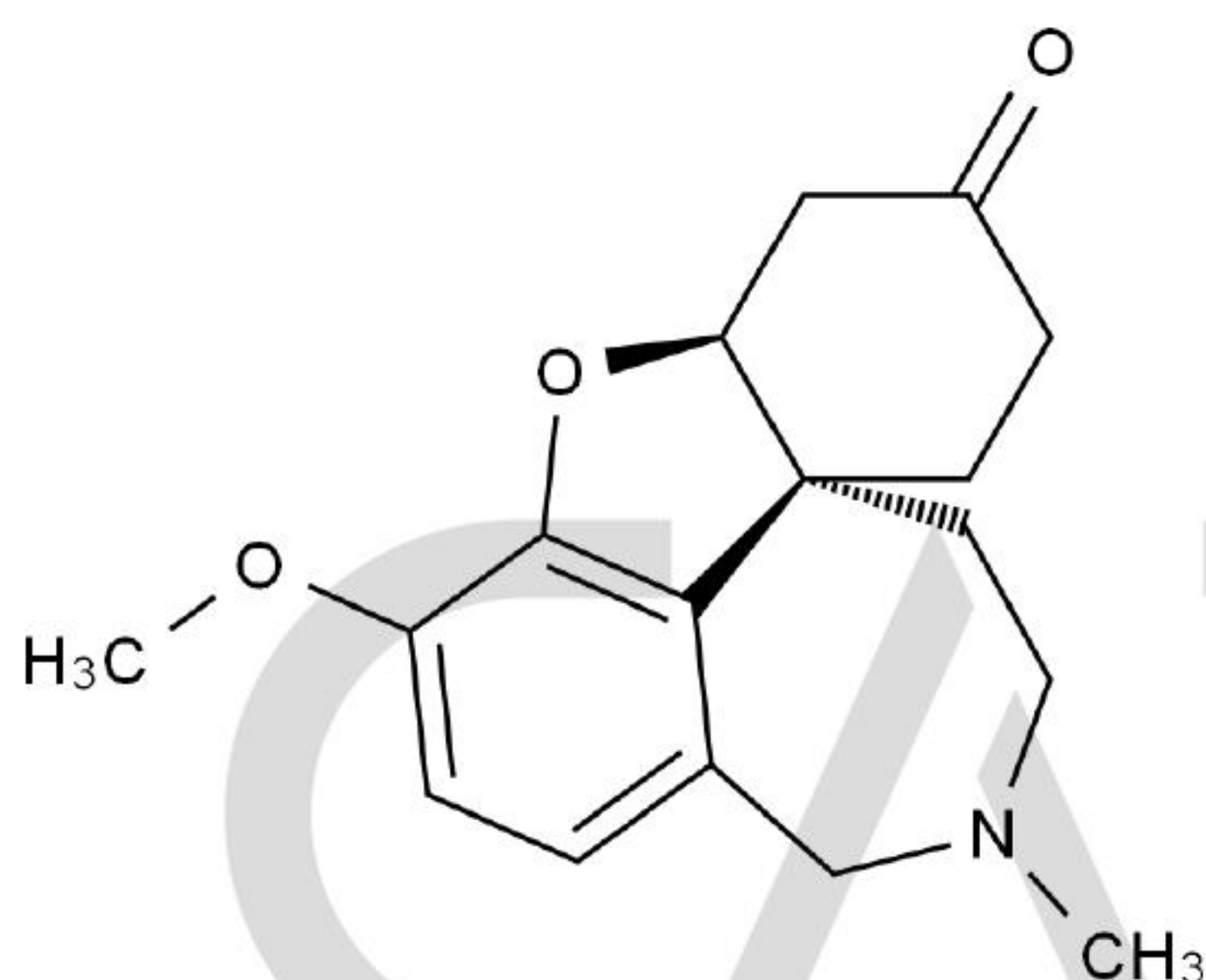


Certificate of Analysis

Reference Material & Standard

Product Name:	Galantamine Impurity 11	Catalogue Number:	C4X-143511
Synonyms:	N/A	Lot Number:	1105-RG-0111
CAS Number:	21041-10-1	Expiry Date:	Oct 30, 2029
Molecular Formula:	C ₁₇ H ₂₁ NO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	287.35	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	97.606%
Water Content	Karl Fischer	0.73%
Residual Solvents	NMR	0.22% dichloromethane
Assay		96.7%

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:

Hin Lam

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 06, 2025

Date: Nov 07, 2025

Date: Nov 07, 2025



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