

Certificate of Analysis

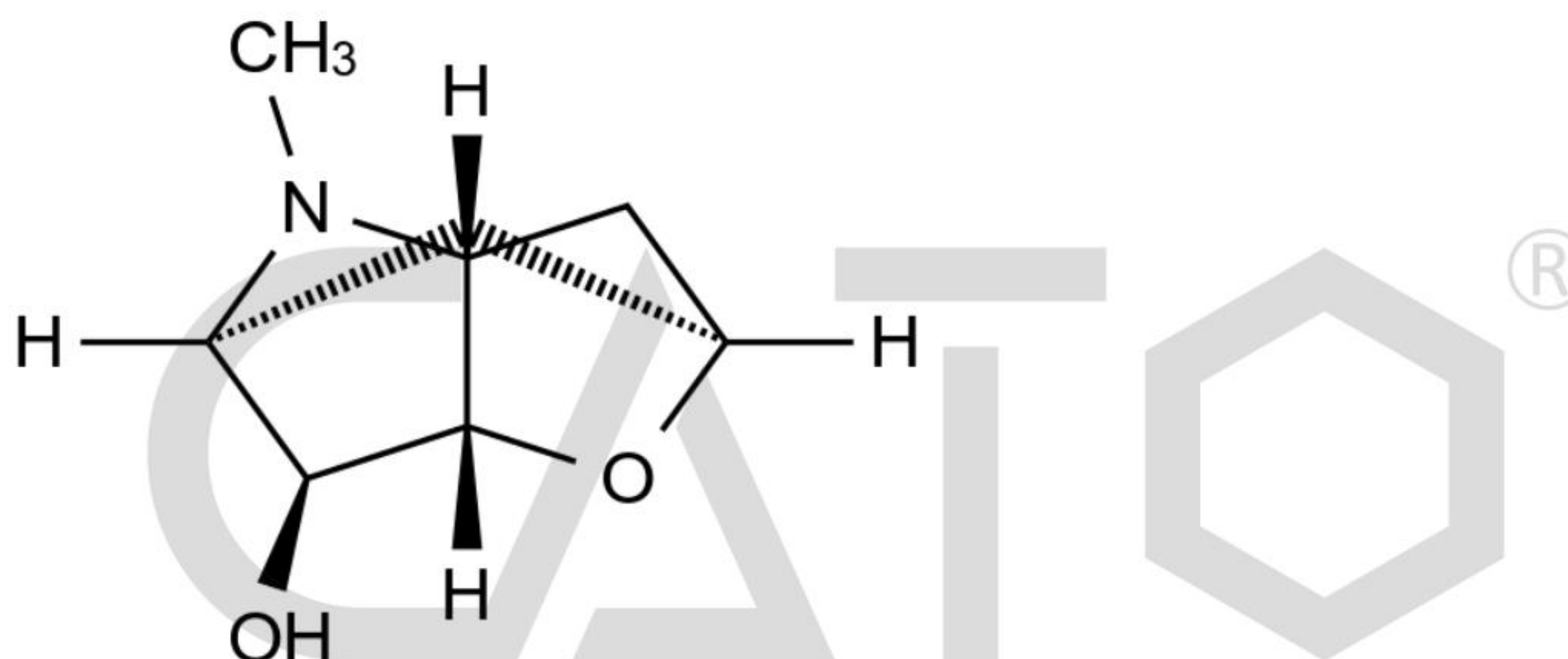
Reference Material & Standard

Product Name:	Tiotropium impurity N1	Catalogue Number:	C1894720
Synonyms:	N/A	Lot Number:	1022-RG-0029
CAS Number:	487-27-4	Expiry Date:	Oct 21, 2029
Molecular Formula:	C ₈ H ₁₃ NO ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	155.19	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	ELSD	100.0%
Assay	qNMR	97.2%

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Oct 23, 2025

Date: Oct 24, 2025

Date: Oct 24, 2025



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