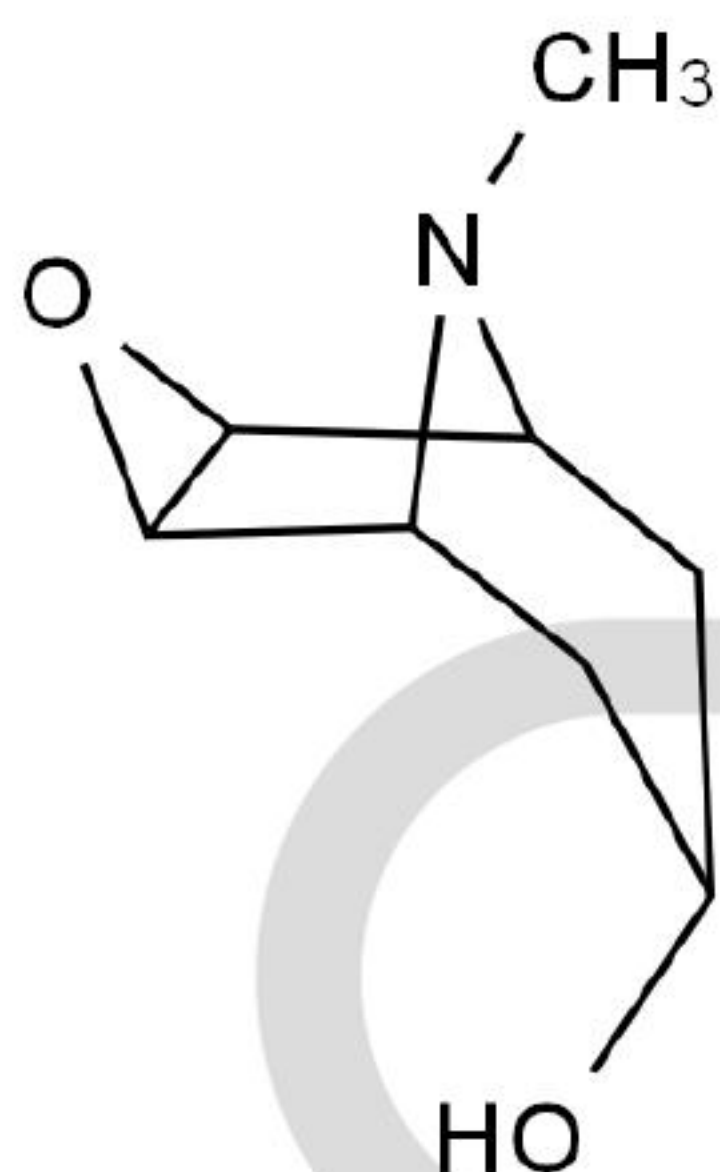


Certificate of Analysis

Reference Material & Standard

Product Name:	Tiotropium Bromide Impurity 33	Catalogue Number:	C4X-176433
Synonyms:	N/A	Lot Number:	1024-RG-0078
CAS Number:	498-45-3	Expiry Date:	Oct 23, 2029
Molecular Formula:	C ₈ H ₁₃ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	155.19	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Assay	qNMR	88.5%

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Oct 24, 2025

Date: Oct 24, 2025

Date: Oct 24, 2025



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