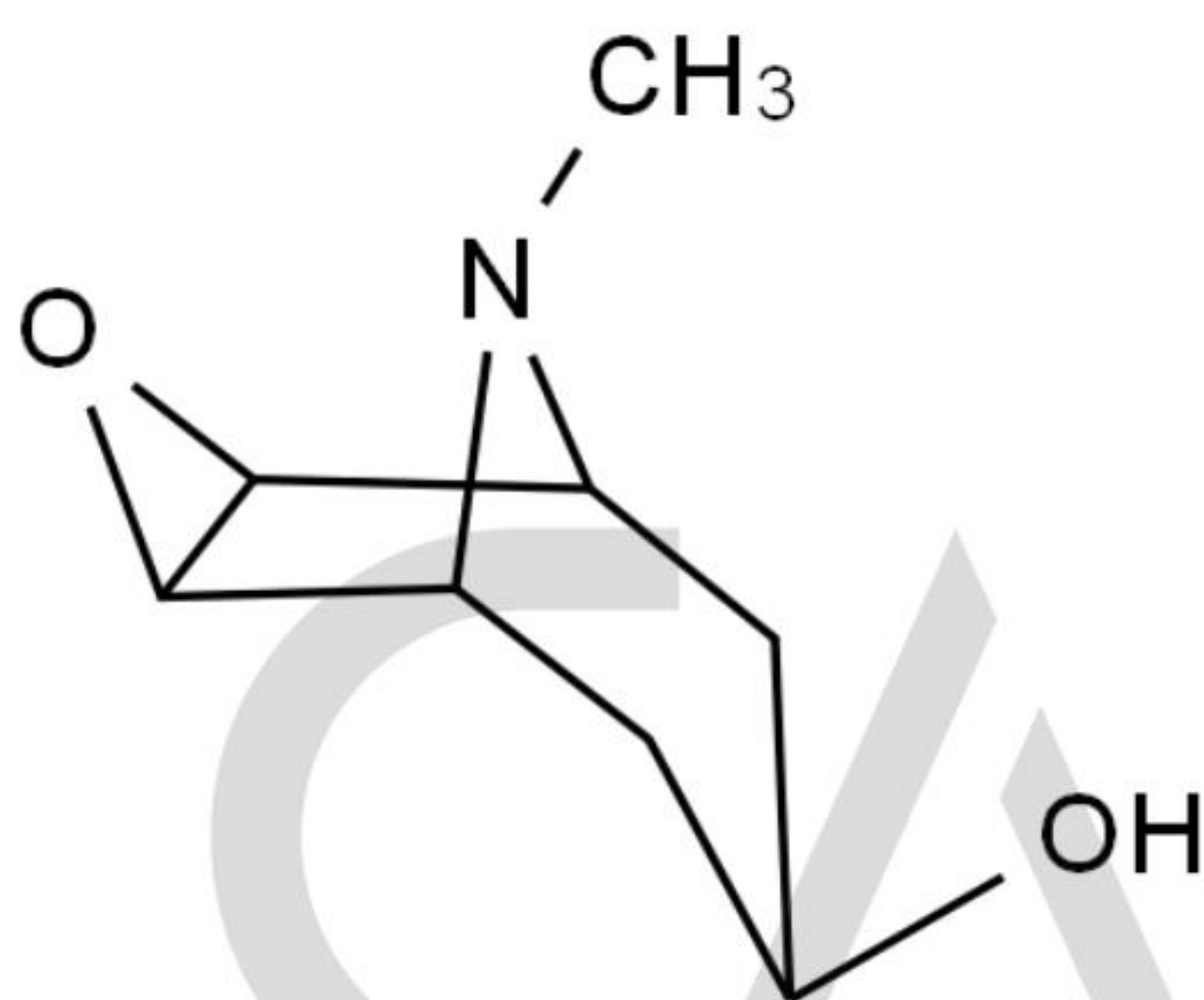


Certificate of Analysis

Reference Material & Standard

Product Name:	Tiotropium Bromide Impurity 19	Catalogue Number:	C4X-176419
Synonyms:	N/A	Lot Number:	0206-RH-0051
CAS Number:	498-46-4	Expiry Date:	Feb 05, 2030
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	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.0%
Assay	qNMR	99.8%

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Feb 12, 2026

Date: Feb 12, 2026

Date: Feb 12, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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