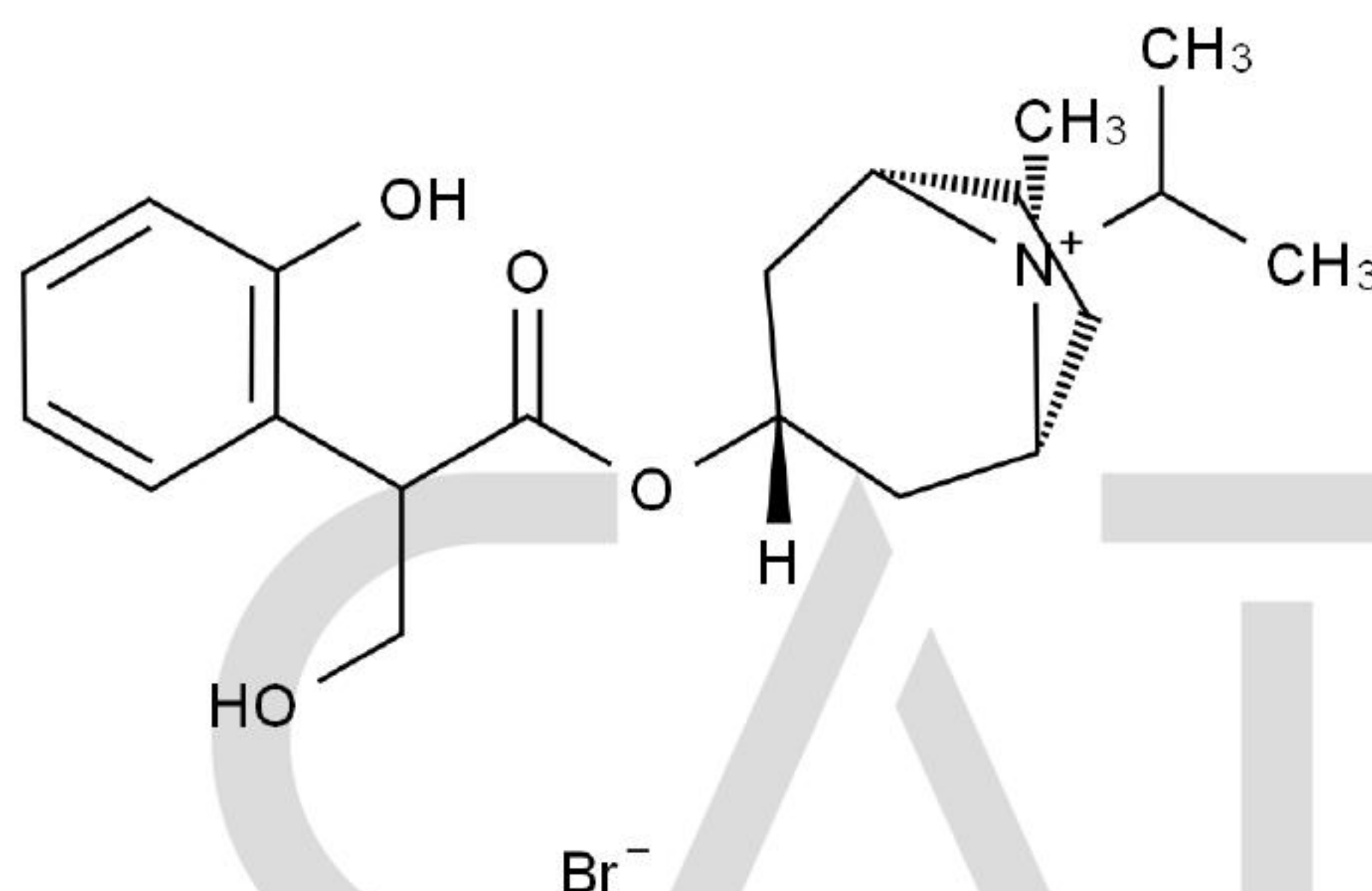


Certificate of Analysis

Reference Material & Standard

Product Name:	2-Hydroxy Ipratropium Bromide	Catalogue Number:	C4X-166520
Synonyms:	N/A	Lot Number:	0303-RG-0035
CAS Number:	N/A	Expiry Date:	Sep 20, 2030
Molecular Formula:	C ₂₀ H ₃₀ NO ₄ Br	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	348.46 79.90	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.72%
Loss on Drying	TGA	0.7034%
Assay		96.0%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 21, 2026

Date: Sep 21, 2026

Date: Sep 21, 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>

