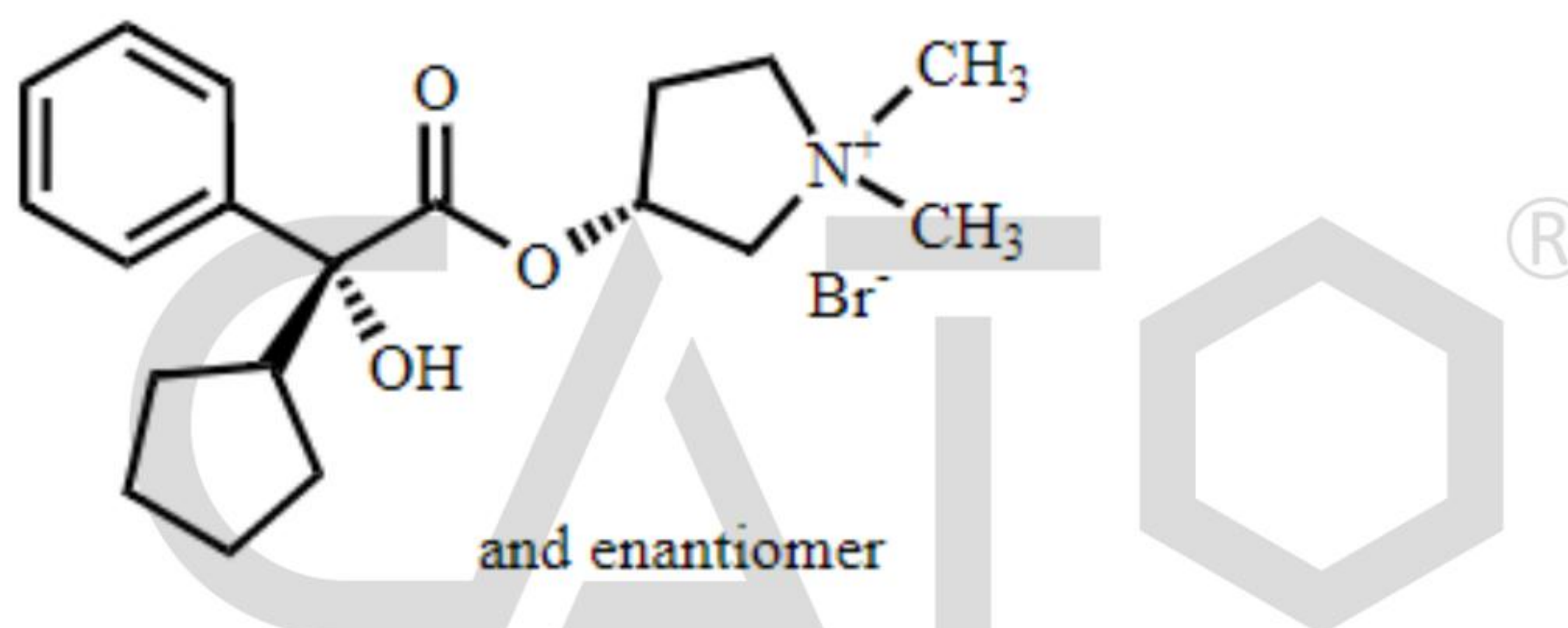


Certificate of Analysis

Reference Material & Standard

Product Name:	Glycopyrronium Bromide EP Impurity N Bromide	Catalogue Number:	C4X-14318
Synonyms:	N/A	Lot Number:	1020-RG-0018
CAS Number:	58493-54-2	Expiry Date:	Aug 24, 2029
Molecular Formula:	C ₁₉ H ₂₈ NO ₃ Br	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	318.43 79.90		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.6784%
Loss On Drying	TGA	0.126%
Assay		99.6%

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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Oct 22, 2025

Date: Oct 22, 2025

Date: Oct 22, 2025



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