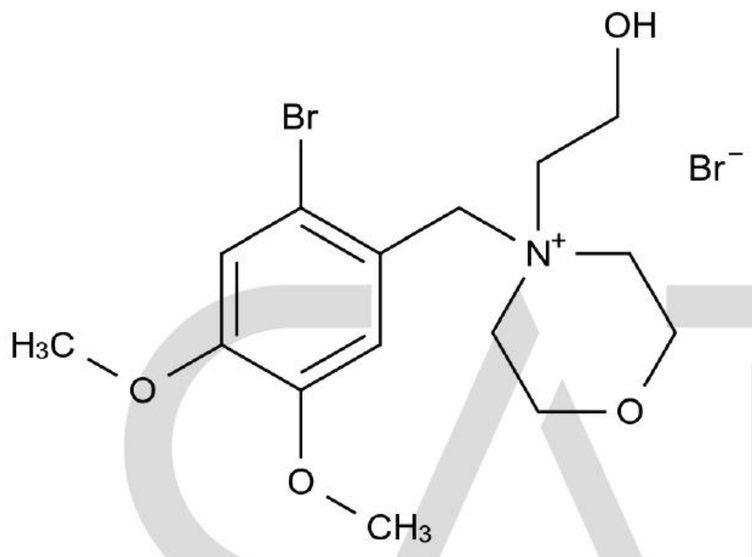
Certificate of Analysis

Reference Material & Standard

Product Name:	Pinaverium Bromide Impurity 14	**Catalogue Number:**	C4X-246714
Synonyms:	N/A	**Lot Number:**	0303-RG-0026
CAS Number:	N/A	**Expiry Date:**	Jun 02, 2030
Molecular Formula:	$C_{15}H_{23}BrNO_4$ Br	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	361.25 79.90	**Shipping Condition:**	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.807%
Loss on Drying	TGA	0.0187%
Assay		99.8%

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 — Date: Jun 03, 2026

Reviewed by: Lisa — Date: Jun 03, 2026

Approved by General Manager: David — Date: Jun 03, 2026

CATO Research Chemicals Inc.