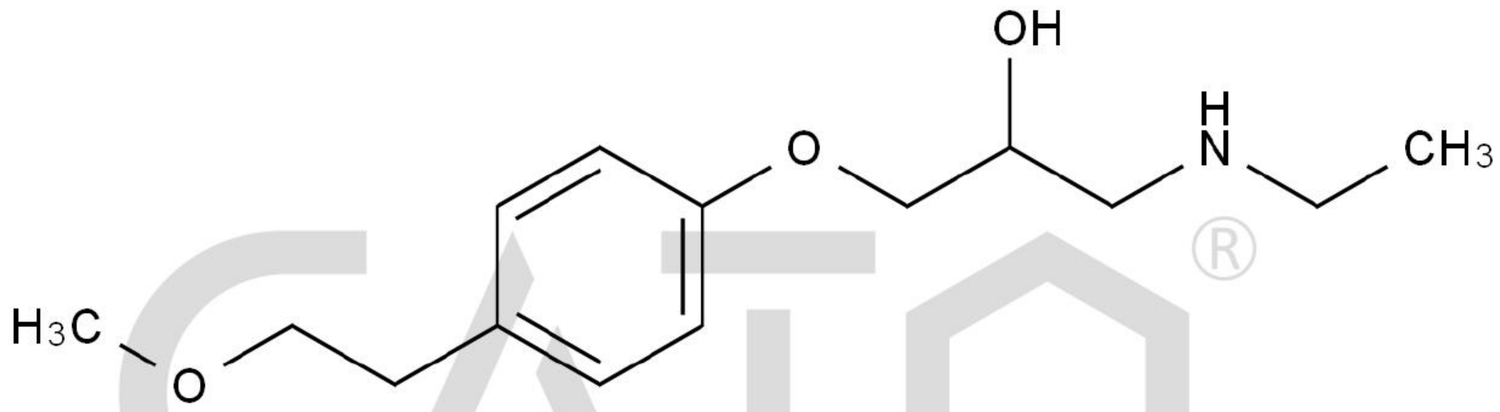
Certificate of Analysis

Reference Material & Standard

Product Name:	Metoprolol EP Impurity A	**Catalogue Number:**	C4X-13671
Synonyms:	Metoprolol Related Compound A	**Lot Number:**	0717-RG-0083
CAS Number:	109632-08-8	**Expiry Date:**	Jul 15, 2029
Molecular Formula:	$C_{14}H_{23}NO_3$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	253.34	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.8%
Assay	qNMR	97.4%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Sep 20, 2026

Reviewed by: Koi Date: Sep 20, 2026

Approved by General Manager: David Date: Sep 20, 2026