Certificate of Analysis

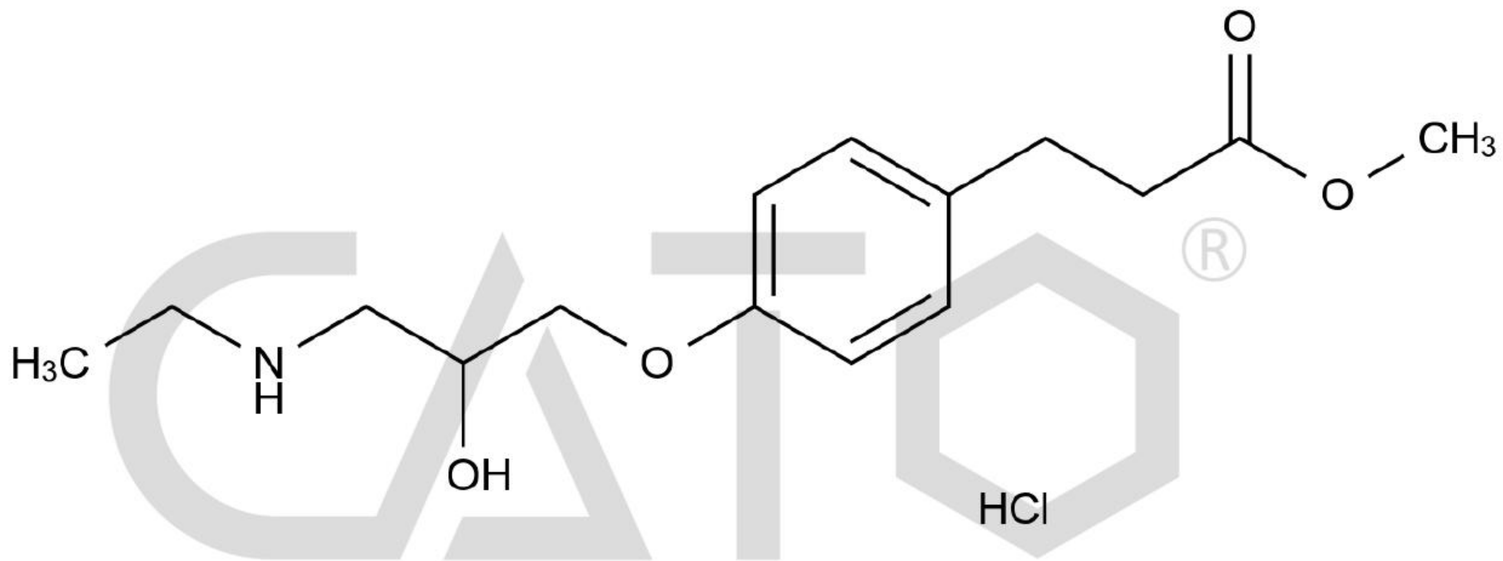
Reference Material & Standard

Product Name:	Esmolol Impurity 1	**Catalogue Number:**	C4X-18911
Synonyms:	N-Ethyl Esmolol HCl	**Lot Number:**	0315-RC-0040
CAS Number:	2469273-97-8(Free Base)	**Expiry Date:**	Mar 10, 2025
Molecular Formula:	$C_{15}H_{23}NO_4$ HCl	**Storage:**	-20±2°C Dark and Sealed
Molecular Weight:	281.35 36.46		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.4%

CATO Research Chemicals Inc.

Signature:

Prepared by: Hinlam Date: Mar 15, 2021

Reviewed by: Debra Date: Mar 15, 2021

Approved by General Manager: David Date: Mar 15, 2021

CATO Research Chemicals Inc.