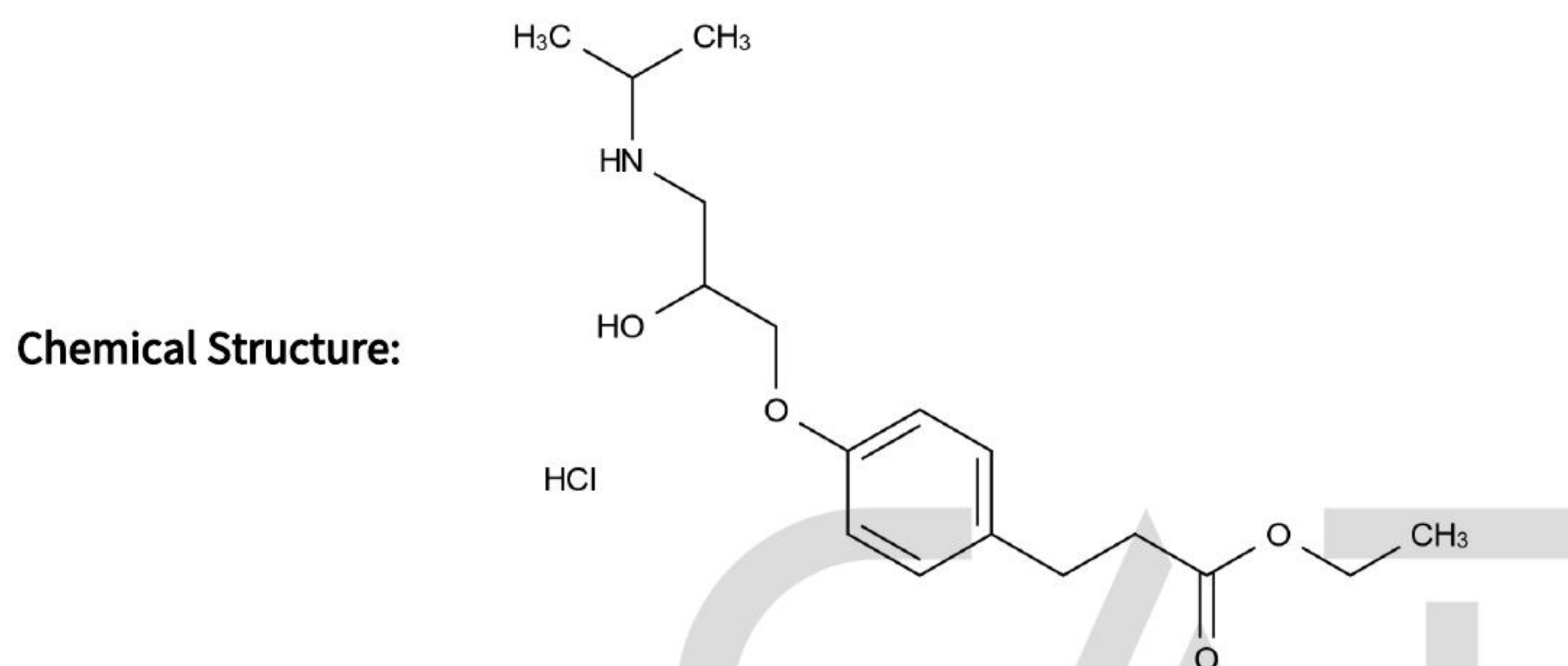


Certificate of Analysis

Reference Material

Product Name:	Esmolol Impurity 31	Catalogue Number:	C4X-189131
Chemical Name:	N/A	Lot Number:	0522-RE-0074
CAS Number:	81147-95-7(free base)	Expiry Date:	May 25, 2026
Molecular Formula:	C ₁₇ H ₂₇ NO ₄ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	309.40 36.46		



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.9%
Assay	qNMR	98.9%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Hin lam

Reviewed by:

Nacy

Aporoved by General manager:

David

Date: May 26, 2023

Date: May 29, 2023

Date: May 29, 2023

