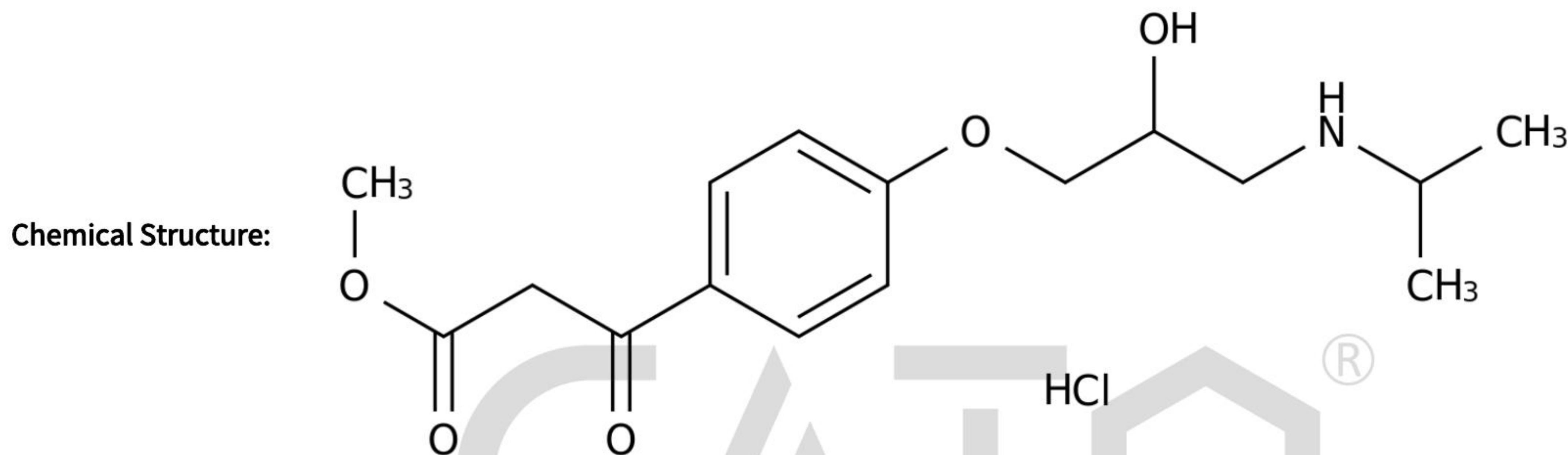


Certificate of Analysis

Reference Material

Product Name:	Esmolol Impurity 18	Catalogue Number:	C4X-189118
Chemical Name:	N/A	Lot Number:	0815-RD-0055
CAS Number:	N/A	Expiry Date:	Aug 24, 2025
Molecular Formula:	C ₁₆ H ₂₃ NO ₅ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	309.36 36.46		



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.363%
Loss On Drying	TGA	0.4241%
Assay		95.0%

Comment:

The calculation of the 100% 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:

Debia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Aug 25, 2022

Date: Aug 26, 2022

Date: Aug 26, 2022

