

Certificate of Analysis

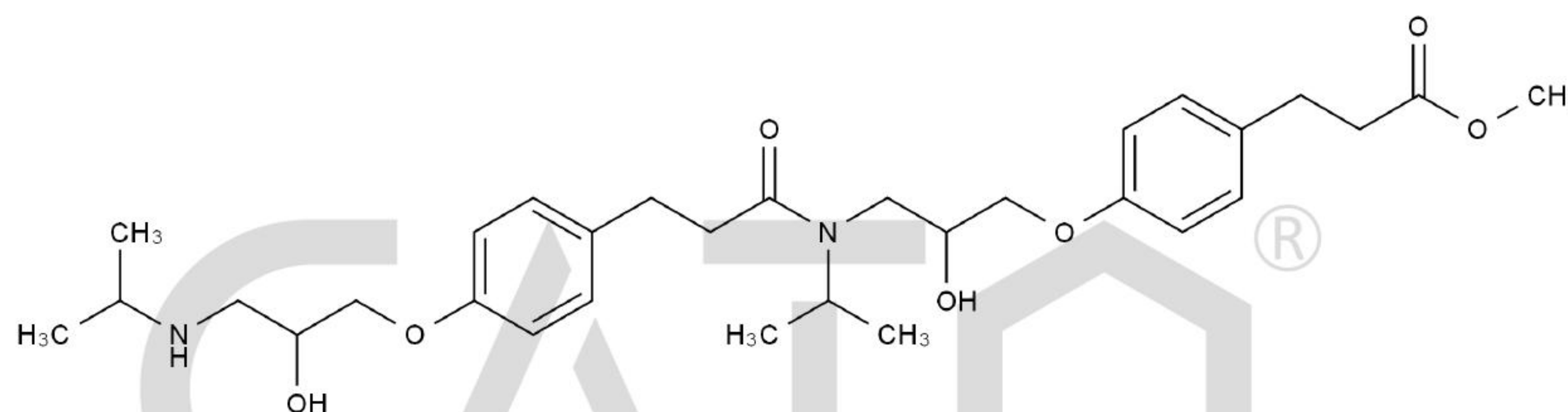
Reference Material & Standard

Product Name:	Esmolol Impurity 2	Catalogue Number:	C4X-18912
Synonyms:	N/A	Lot Number:	1030-RG-0053
CAS Number:	98903-89-0	Expiry Date:	Mar 19, 2029
Molecular Formula:	C ₃₁ H ₄₆ N ₂ O ₇	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	558.71	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Sticky Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	93.358%
Loss On Drying	TGA	0.06522%
Assay		93.3%

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:

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Date: Oct 30, 2025

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