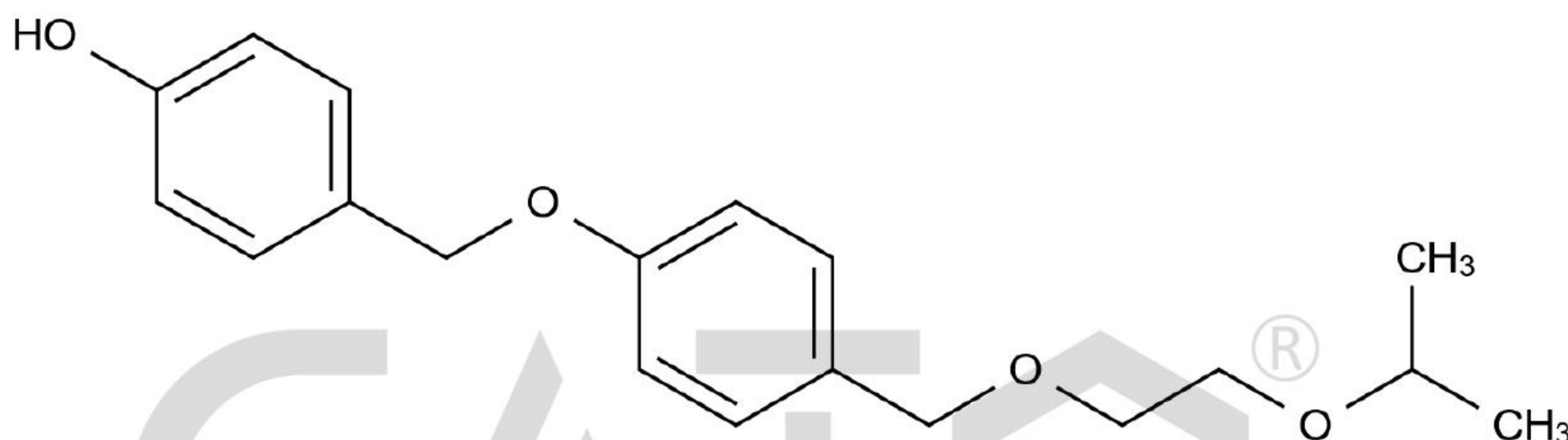


Certificate of Analysis

Reference Material & Standard

Product Name:	Bisoprolol Impurity 86	Catalogue Number:	C4X-124786
Synonyms:	N/A	Lot Number:	0725-RG-0050
CAS Number:	2417155-10-1	Expiry Date:	Oct 22, 2025
Molecular Formula:	C ₁₉ H ₂₄ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	316.39		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.8051%
Water Content	Karl Fischer	4.829%
Residual Solvents	NMR	1.45% dichloromethane
Assay		93.5%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 21, 2025

Date: Aug 21, 2025

Date: Aug 21, 2025

