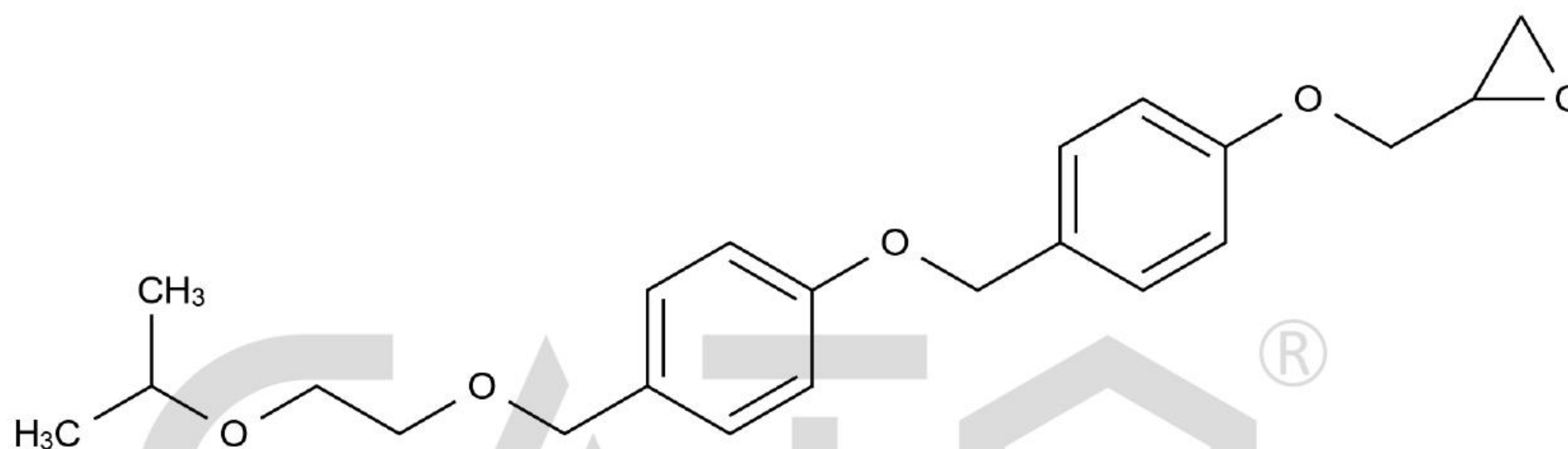


Certificate of Analysis

Reference Material & Standard

Product Name:	Bisoprolol Impurity 89	Catalogue Number:	C4X-124789
Synonyms:	N/A	Lot Number:	0723-RG-0030
CAS Number:	2417155-12-3	Expiry Date:	Jul 27, 2029
Molecular Formula:	C ₂₂ H ₂₈ O ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	372.45		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.885%
Loss On Drying	TGA	0.0219%
Assay		99.9%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 28, 2025

Date: Jul 28, 2025

Date: Jul 28, 2025

