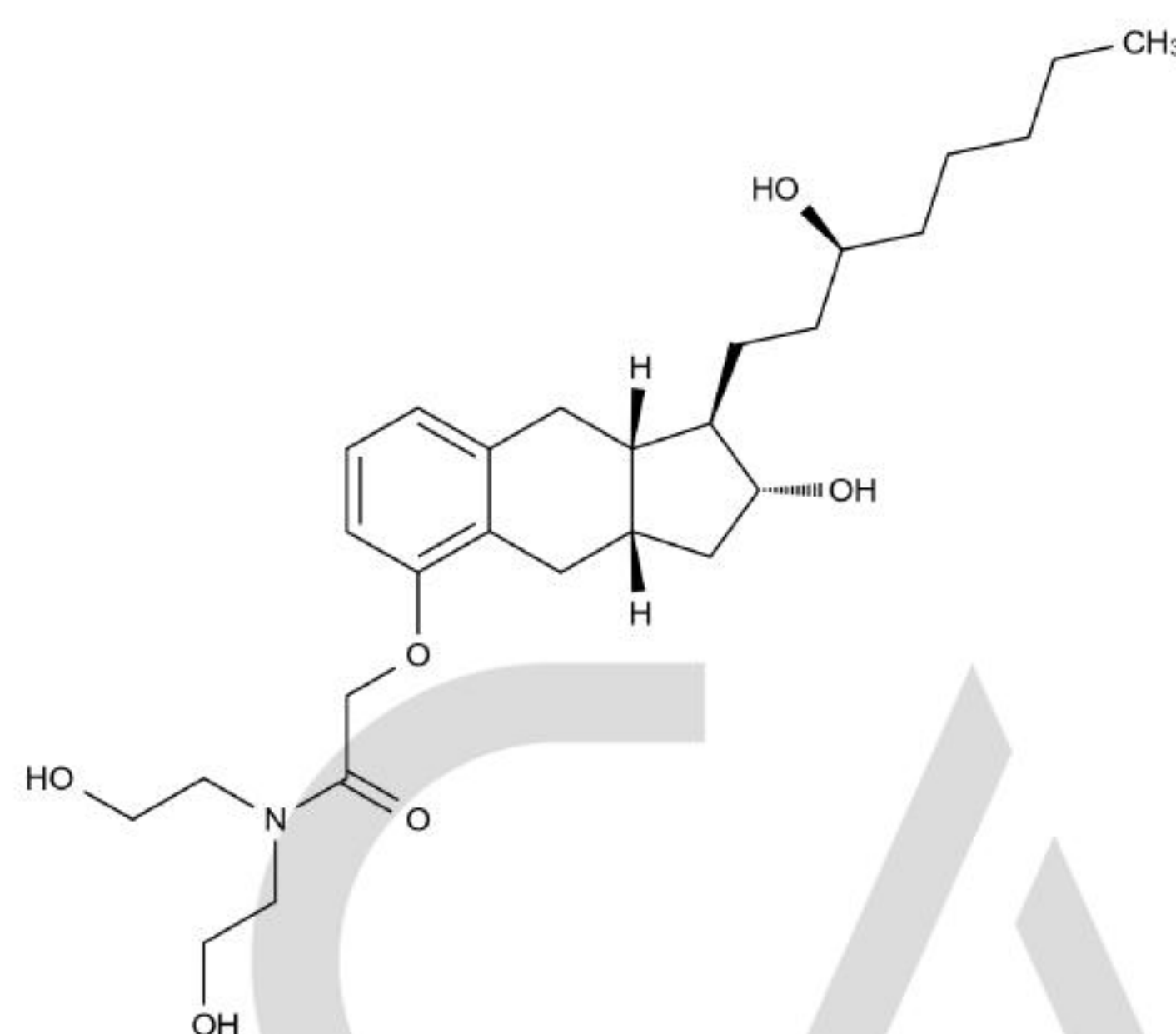


Certificate of Analysis

Reference Material & Standard

Product Name:	Treprostinil Impurity 7	Catalogue Number:	C4X-21167
Synonyms:	N/A	Lot Number:	0715-RF-0006
CAS Number:	1345337-82-7	Expiry Date:	Jul 16, 2026
Molecular Formula:	C27H43NO6	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	477.63		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	2.10%
Residual Solvents	NMR	0.2% methanol
Optical Rotation		[α] _D ^{25.0} (c=0.40, CH ₃ OH): +41.5°
Assay		97.7%

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: Jul 17, 2024

Date: Jul 17, 2024

Date: Jul 17, 2024

