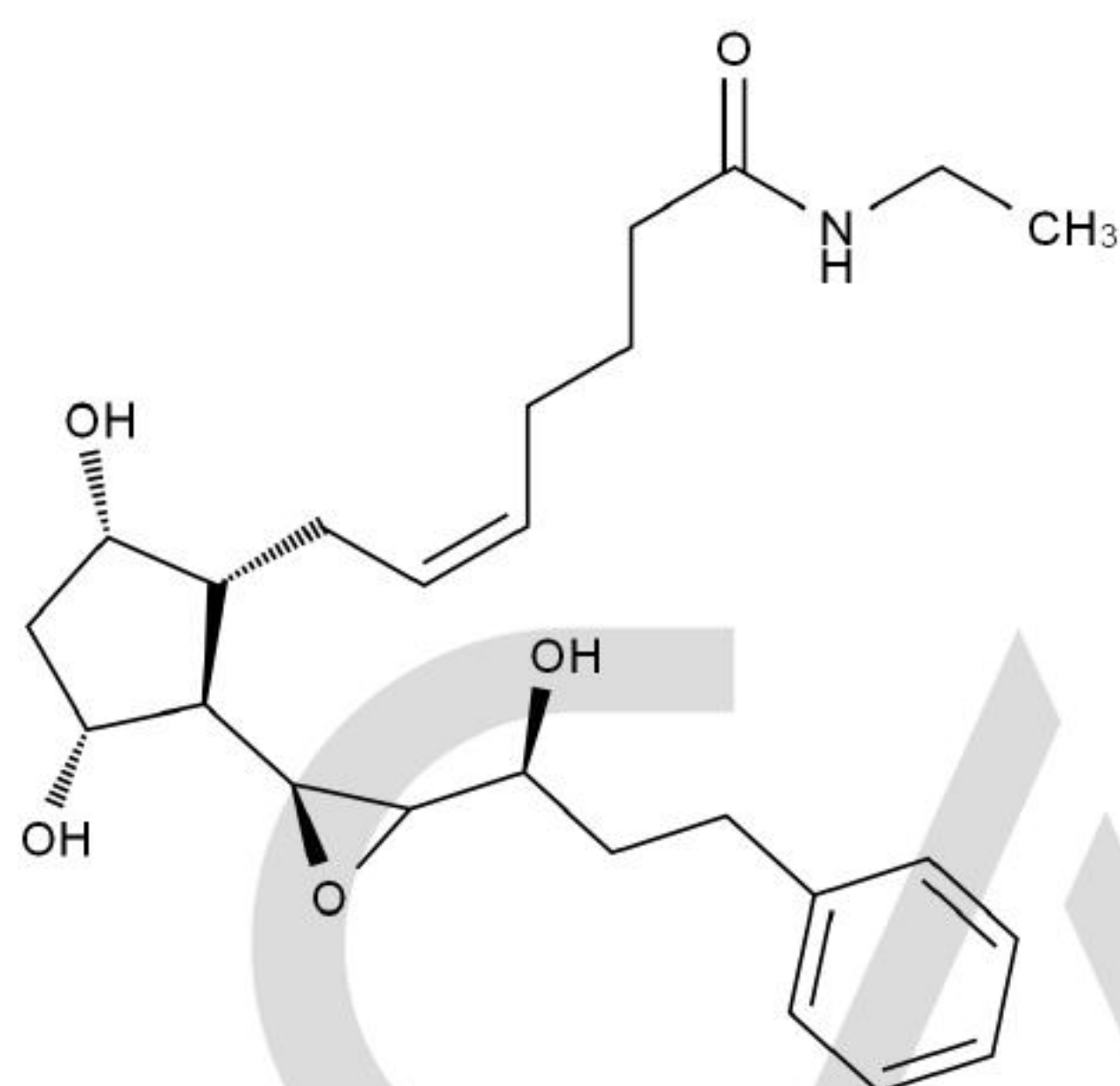


Certificate of Analysis

Reference Material & Standard

Product Name:	Bimatoprost Impurity 17 (Mixture of Diastereomers)	Catalogue Number:	C4X-196417
Synonyms:	N/A	Lot Number:	0624-RF-0013
CAS Number:	N/A	Expiry Date:	Jun 17, 2027
Molecular Formula:	C25H37NO5	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	431.56		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Semi-solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.4394%
Water Content	Karl Fischer	2.00%
Residual Solvents	NMR	1.0% methanol
Assay		95.5%

Comment:

- The compound contains 1.1% isomeric impurity(RT 7.83)according to its HPLC and LC-MS.
- The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$
 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: Jun 26, 2024

Date: Jun 26, 2024

Date: Jun 26, 2024

