



CERTIFICATE OF ANALYSIS

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1. Identification

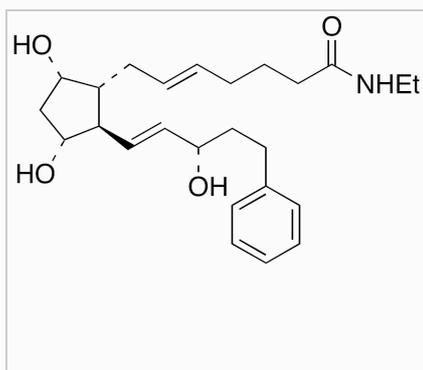
Catalogue Number: B386810

CAS Number: 1163135-95-2

Product: (5E)-Bimatoprost

Synonym: (5E)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(1E,3S)-3-hydroxy-5-phenyl-1-penten-1-yl]cyclopentyl]-N-ethyl-5-heptenamide; 5-trans-Bimatoprost;

Structure:



Molecular Formula:

C₂₅H₃₇NO₄

Molecular weight:

415.57

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Methanol (Slightly)

Lot Number: 14-YSW-89-2

Purity: 98%

Shipping Condition: This Product Is Stable To Be Shipped With Dry Ice

Storage Condition: -86°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
NMR	Conforms to Structure	Conforms
HPLC Purity	Report Result	99.18% (205 nm)
MS	Conforms to Structure	Conforms
FT-IR	Conforms to Structure	Conforms
Water Content	Report Result	1.4% by Karl Fischer
Elemental Analysis	Conforms	%C: 70.72, %H: 8.66, %N: 3.66
Appearance	Colourless to Orange Oil to Sticky Solid	Off-White to Pale Yellow Gel to Sticky Solid

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Nicole Yip	Toni Rantanen	Chanell Chu	11/23/2021	11/21/2025