

Identification

Catalogue Number

L177280

Lot Number

2-OBI-186-1

Product Name

Latanoprost

Synonyms

(5Z)-7-[(1R,2R,3R,5S)-3,5-Dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]cyclopentyl]-5-heptenoic Acid 1-Methylethyl Ester; Isopropyl-(Z)-7-[(1R,2R,3R,5S)-3,5-dihydroxy-2-[(3R)-3-hydroxy-5-phenylpentyl]cyclopentyl]-5-heptenoate; PhXA-41; GAAP Ofteno; Xalatan; (15R)-Latanoprost;

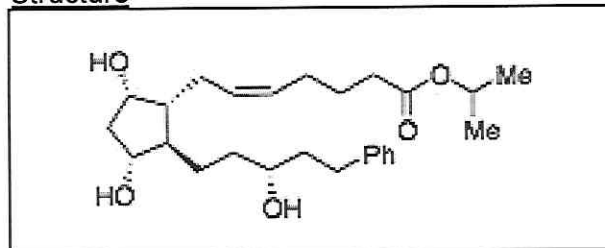
CAS Number

130209-82-4

Solubility

Acetonitrile (Sparingly), Chloroform (Sparingly), Methanol (Slightly)

Structure



Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₂₆H₄₀O₅

Source of Product

N/A

Long Term Storage Conditions

-20°C Freezer, Under Inert Atmosphere

Molecular Weight

432.59

Purity

97%

Warnings

Not Determined

Analytical Information

Tests	Specifications	Results
Appearance	Colourless Oil	Clear Colourless Oil
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 70.62, %H: 9.57
MS	Conforms to Structure	Conforms
Specific Rotation	Report Result	+35.9° (c = 1.0, Acetonitrile)

Additional Information

TLC Conditions: SiO₂; Dichloromethane : Methanol = 9 : 1; Visualized with UV, AMCS, and KMnO₄; Single Spot, R_f = 0.60.
Elemental Analysis: (Theoretical) %C: 72.19, %H: 9.32

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.

Signatures

Reviewed by	Reviewed by	C of A Approved by	Test Date	Retest Date
			6/18/2019	6/16/2023
Eric Beaton	Xhoana Gieraii	Kevin Saldanha		