



Certificate of analysis

Product name: **Latanoprost**

Cas number: 130209-82-4

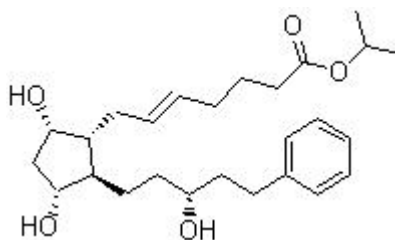
Molecular Formula: C₂₆H₄₀O₅

Molecular Weight: 432.60

Date of production: Aug. 07, 2025

Batch NO: 20250807

EXP DATE: Aug. 06, 2027



Chemical structure:

Items	Specifications	Results
Description	Clear, Colourless or yellow, Viscous, oily liquid.	light yellow liquid
Solubility	Practically insoluble in water, very soluble in acetonitrile, freely soluble in anhydrous ethanol	Conform
Identification	A: IR B: The retention time of the major peak in the chromatogram of the sample corresponds to that of the standard solution, as obtained in the assay.	Conform
Specific Rotation	+ 31° ~ + 38°	+ 35.7°
Water	≤ 2.0%	0.17%
Residue on ignition	≤ 0.5%	0.06%
Related substances(HPLC)	Isopropyldiphenylphosphorylpentanoate ≤ 0.1%	Not detectable
	Latanoprost related Compound B ≤ 0.5%	0.05%
	Latanoprost related Compound A ≤ 3.5%	0.32%
	Limit Of Latanoprost Related Compound E ≤ 0.2%	Not detectable
	Any unspecified impurity ≤ 0.1%	0.03%
	Total other impurities: ≤ 0.5%	0.03%
Residue Solvent	n-Hexane: ≤ 0.029%	Not detectable
	Ethanol: ≤ 0.5%	0.39%
	Methanol: ≤ 0.3%	Not detectable
	Isopropanol ≤ 0.5%	Not detectable
Assay	94.0%~102.0%	99.5%

Conclusion: It complies with the USP43 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang