



Certificate of analysis

Product name: Latanoprost

Cas number: 130209-82-4

Molecular Formula: C₂₆H₄₀O₅

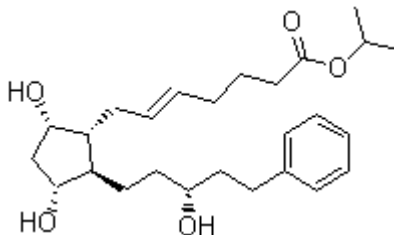
Molecular Weight: 432.60

Date of production: Jun. 07, 2017

Batch NO: 20170607

EXP DATE: Jun. 06, 2019

Chemical structure:



Items	Specifications	Results
Description	colorless or light yellow Oil	light yellow Oil
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
Solubility	Freely soluble in Isopropanoll and methanol	Conform
Specific Rotation	+ 31° ~ + 38°	+ 35.3°
Water	≤ 2.0 %	0.02%
Related substances	Isopropyl diphenylphosphorylpentanoate ≤ 0.1%	0.06%
	Latanoprost related Compound B ≤ 0.5%	0.07%
	Latanoprost related Compound A ≤ 3.5%	0.01%
	Any other impurity: ≤ 0.1%	0.07%
	Total other impurities: ≤ 0.5%	0.12%
Residue Solvent	n-Hexane: ≤ 0.029%	Not detectable
	Ethanol: ≤ 0.5%	0.39%
	Methanol: ≤ 0.3%	0.03%
	Isopropanol ≤ 0.5%	Not detectable
Purity by HPLC	94.0%~102%(calculated on the anhydrous and sol-vent-free basis)	99.3%

Conclusion: It complies with the USP38 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang