



Certificate of analysis

Product name: Travoprost

Cas number: 157283-68-6

Molecular Formula: C₂₆H₃₅F₃O₆

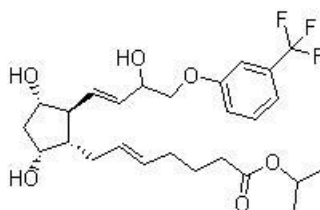
Molecular Weight: 500.55

Date of production: July. 09, 2017

Batch NO: 20170809

Exp Date: Aug. 08, 2019

Chemical structure:



Items	Specifications	Results
Characteristic	Colorless or yellowish oil	Conforms
Identification	The retention time of the major peak of the sample solution corresponds to that of the standard solution	Conforms
solubility	Very soluble in methanol, in ethanol(95%), in acetonitrile and in chloroform, slightly soluble in water.	Conforms
Optical rotation	+52° ~+58° (365nm)	+54.3°
Water	≤ 1.0%	0.11%
Related Substances	15-epi Diastereomer ≤ 0.1%	N.D
	Travoprost Related compound A ≤ 0.2%	N.D
	15-Keto derivative ≤ 0.3%	N.D
	5,6-Trans Isomer ≤ 3.5%	0.74%
	Epoxide derivate ≤ 3.5%	0.08%
	Any other impurity ≤ 0.1%	0.06%
	Total impurities ≤ 4.0%	0.80%
Residual solvents	Isopropanol ≤ 0.5%	0.15%
	Ethyl acetate ≤ 5000ppm	Not detected
	n-Hexane ≤ 0.029%	Not detected
	Ethanol ≤ 0.5%	0.34%
Assay	96%~102%(anhydrous and solvent -free basis)	99.20%

Conclusion: It complies with the USP40 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F

