



Chong Da Prostaglandin Fine Chemicals Co., Ltd

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Certificate of analysis

Product name: Travoprost

Cas number: 157283-68-6

Molecular Formula: C₂₆H₃₅F₃O₆

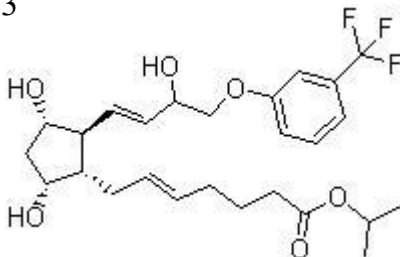
Molecular Weight: 500.55

Date of production: Dec. 11, 2023

Batch NO: 20231211

Exp Date: Dec. 10, 2025

Chemical structure:



Items	Specifications	Results
Characteristic	Colorless or pale yellow oil	Conforms
Identification	By TLC: The Travoprost should appear as Black Spots.	Conforms
	By HPLC: The Retention time of the major peak in the chromatogram of the test preparation corresponding to that in the chromatogram of the standard preparation, as per Assay test.	Conforms
Specific rotation	$[\alpha]_D^{20}: +52^\circ \sim +58^\circ$ (20mg/ml, EtOH, 365nm)	+54.2°
Water	$\leq 1.0\%$	0.5%
Related Substances	Travoprost Related compound A $\leq 0.2\%$	Not detected
	Epoxide derivative $\leq 0.4\%$	0.02%
	15-epi Diastereomer $\leq 0.1\%$	0.05%
	5,6-Trans Isomer $\leq 3.5\%$	0.8%
	15-Keto derivative $\leq 0.3\%$	Not detected
	Any other impurity $\leq 0.1\%$	0.05%
	Total impurities $\leq 4.0\%$	0.92%
Residual solvents	Isopropanol $\leq 0.5\%$	0.20%
	Ethyl acetate $\leq 0.5\%$	0.1%
	n-Hexane $\leq 0.029\%$	Not detected
	Ethanol $\leq 0.5\%$	0.35%
Assay	96%~102% (anhydrous and solvent free basis)	99.2%

Conclusion: It complies with the USP42 Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F