



ChongDa Prostaglandin Fine Chemicals Co., Ltd

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Certificate of analysis

Product name: Tafluprost

Cas number: 209860-87-7

Molecular Formula: C₂₅H₃₄F₂O₅

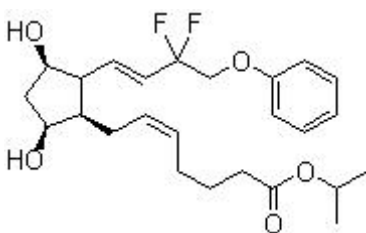
Molecular Weight: 452.53

Date of production: May. 16, 2024

Batch NO: CD20240516

Exp Date: May. 15, 2026

Chemical structure:



Items	Specifications	Results
Description	pale yellow to colorless Oil	Conforms
Identification	NMR HPLC	Conforms
Optical Rotation(C=0.5 ethanol)	+19.0° ~ +23°	+21.3°
Water	≤ 1.0%	0.25%
Related substances	Tafluprost acid ≤ 0.3% 5,6-trans isomer ≤ 0.5 % Any unspecified impurity: ≤ 0.1 % Total impurities: ≤ 2.0 %	Not detectable 0.027% 0.082% 0.12%
Residue Solvent	n-Hexane: ≤ 0.029% Isopropanol: ≤ 0.5% Methyl tert-butyl ether: ≤ 0.5% N,N-Dimethylformamide ≤ 0.088%	Not detectable Not detectable Not detectable Not detectable
Purity by HPLC	≥ 98%	99.86 %

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F