



ChongDa Prostaglandin Fine Chemicals Co., Ltd

Add: NO.1585JIUYEROAD, QINGPUDISTRICT, SHANGHAI, CHINA

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Certificate of analysis

Product name: Bimatoprost

Cas number: 155206-00-1

Molecular Formula: C₂₅H₃₇N₀₄

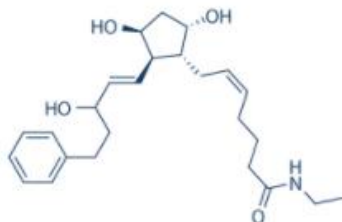
Molecular Weight: 415.56

Date of production: Jan. 11st. 2025

Batch No: 20250111

Exp Date: Jan. 10th. 2027

Chemical structure:



Items	Specifications	Results
Description	White powder	white powder
Water	< 0.5 %	0.20%
Solubility	Very soluble in ethanol, methanol, sparingly to slightly soluble in water	complies
Identification	By HPLC HNMR	complies
Residue on Ignition	≤ 0.1%	0.06%
Heavy metals	≤ 10PPM	complies
Optical rotation	+33.0° ~ +37.0° (C=2.0, CH ₃ ON)	+36.9°
Related substances	15-keto and Bimatoprost ≤ 0.10% 5,6-trans Bimatoprost: ≤ 0.10% Any other impurity ≤ 0.1% Total other impurities ≤ 0.5%	0.01% 0.09% 0.02% 0.12%
Residue Solvent	Ethyl acetate ≤ 0.5%	0.05%
	N-hexanol ≤ 0.029%	N.D
	Ethanol ≤ 0.5%	N.D
	Ether ≤ 0.5%	N.D
	Ter-butylmethyl ether ≤ 0.5%	N.D
Purity	≥ 99.5%	99.88%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F