

Certificate of analysis

Product name: D-Cloprostenol Sodium

Cas number: 62561-03-9

Molecular Formula: C₂₂H₂₈ClNaO₆

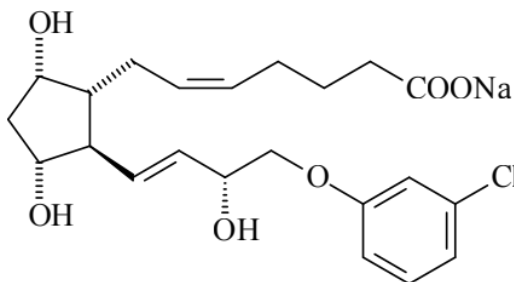
Molecular Weight: 446.9

Manufacturing Date: July.09,2025

Batch Number: 20250709

Expiry Date: July.08, 2027

Chemical structure:



Items	Specifications	Results
Appearance	A white or almost white amorphous powder; hygroscopic	White amorphous powder; hygroscopic
Solubility	Free soluble in water, in ethanol(95%) and in methanol; practically insoluble in acetone	Conforms
Identification	IR, HPLC White precipitate is observed in characteristic testing of sodium salts	Conforms
Water	≤3.0%	0.12%
Specific Rotation	+ 25 ° ~ + 30 ° (C=1, in Ethanol)	+ 29.5 °
15-epimer	≤0.5%	N.D
5,6-trans isomer	≤1.0%	0.1%
(-)-enantiomer	≤2.0%	N.D
Other single impurity	≤1.0%	N.D
Total impurities	≤2.5	0.1%
Residual solvents	Methanol ≤0.3% Tetrahydrofuran ≤0.072% Toluene ≤0.089% Ethyl acetate ≤0.5% Dichloromethane ≤0.06%	N.D N.D N.D 0.05% N.D
Purity(HPLC)	≥97.5%	99.9%
Assay	97.5%~ 102.5%	99.5%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F