



Chong Da Prostaglandin Fine Chemicals Co., Ltd

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Certificate of analysis

Product name: D-Cloprostenol Sodium

Cas number: 62561-03-9

Molecular Formula: $C_{22}H_{28}ClNaO_6$

Molecular Weight: 446.9

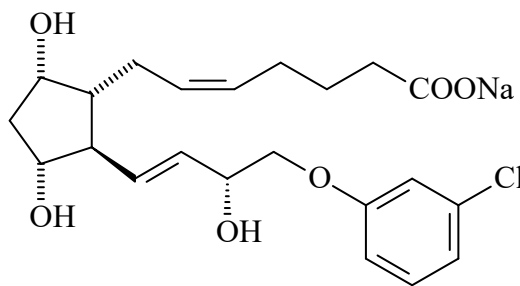
Manufacturing Date: April.19,2024

Batch Number: 20240419

Expiry Date: April.18, 2026

Packing date: July.17,2024

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	$\leq 3.0\%$	0.10%
Specific Rotation	$+25^{\circ} \sim +30^{\circ}$ (C=1, in Ethanol)	$+29.3^{\circ}$
15-epimer	$\leq 1.0\%$	N.D
5,6-trans isomer	$\leq 2.0\%$	0.1%
(-)-enantiomer	$\leq 2.0\%$	N.D
Other single impurity	$\leq 0.5\%$	N.D
Total impurities	$\leq 1.5\%$	0.1%
Residual solvents	Methanol $\leq 0.3\%$ Tetrahydrofuran $\leq 0.072\%$ Toluene $\leq 0.089\%$ Ethyl acetate $\leq 0.5\%$ Dichloromethane $\leq 0.06\%$	N.D N.D N.D 0.05% N.D
Purity(HPLC)	$\geq 98.5\%$	99.9%
Assay	97.5%~102.5%	98.4%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F