



Certificate of analysis

Product name: D-Cloprostenol Sodium

Cas number: 62561-03-9

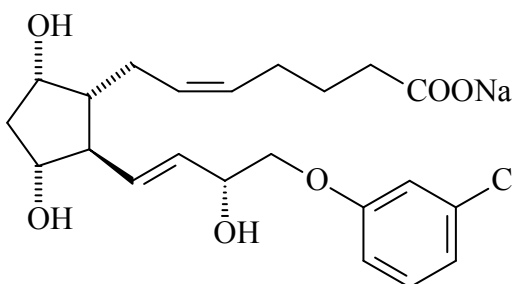
Molecular Formula: C₂₂H₂₈ClNaO₆

Molecular Weight: 446.9

Manufacturer Date: Nov. 19, 2016

Batch Number: 20161119

Expiry Date: Nov. 18, 2018



Chemical structure:

Items	Specifications	Results
Appearance	A white or almost white, amorphous powder; hygroscopic	A 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%	1.97%
Specific Rotation	+ 25° ~ + 30° (C=1, in Ethanol)	+ 27.3°
Related substances	15-epimer ≤1.0% 5,6-trans isomer ≤2.0% (-)-enantiomer ≤2.0%	0.08% 0.04% Not detectable
Residual solvents	Ethanol ≤0.5% n-Hexane ≤0.029% Methanol ≤0.3% Tert-Butyl methyl ether ≤0.5%	Conforms
Assay (HPLC)	97.5%~ 101.0%	99.59%

Conclusion: It complies with the Enterprise Standard.

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F

