



Certificate of analysis

Product name: DL-Cloprostenol sodium

Cas number: 55028-72-3

Molecular Formula: C₂₂H₂₈ClNaO₆

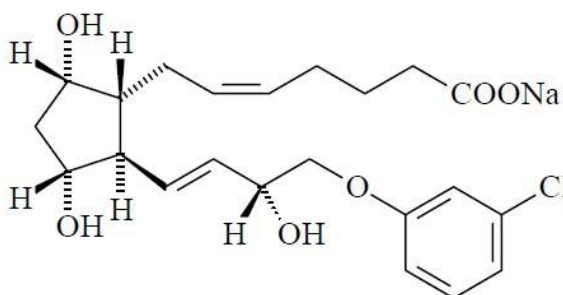
Molecular Weight: 446.90

Date of production: Dec. 18, 2017

Batch NO: 20171218

EXP DATE: Dec. 17, 2019

Chemical structure:



Items	Specifications	Results
Appearance	A white to off- white, amorphous powder; hygroscopic	A white amorphous powder; hygroscopic
Identification	HPLC White precipitate is observed in characteristic testing of sodium salts	Conform
Water content	≤ 3.0 %	1.28 %
15-epimer	≤ 1.0 %	0.02%
5,6-trans isomer	≤ 2.0 %	0.63%
Individual impurities	≤ 1.0%	0.63%
Total impurities	≤ 2.5 %	0.65%
Residual solvents	Ethyl acetate ≤ 0.5 % dichloromethane ≤ 0.06 % Tetrahydrofuran ≤ 0.072 % Ethanol ≤ 0.5 % Acetone ≤ 0.5 %	Not detected Not detected Not detected Not detected 0.14%
Assay (on the anhydrous basis)	97.5 % ~ 102.5%	99.35%

Conclusion: Complies with USP40 standard.

Analyst: Zhao

Checker: Liu

Q.C Director: Fang F