



Chong Da Prostaglandin Fine Chemicals Co., Ltd

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Certificate of analysis

Productname: Dinoprostone

Cas number: 363-24-6

Molecular Formula: C₂₀H₃₂O₅

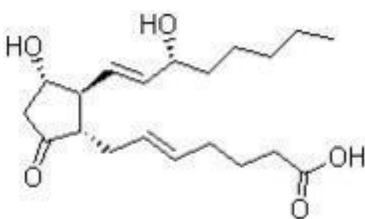
Molecular Weight: 352.47

Date of production: May. 15, 2025

Batch NO: CDDIN20250515

Exp Date: May. 14, 2027

Chemical structure:



Items	Specifications	Results
Appearance	White or almost white, crystalline powder or Colourless crystals	Conforms
Identification	A . INFRARED ABSORPTION (197K)	Conforms
	B . The retention time of the major peak of the Sample solution corresponds to that of the Standard solution, as obtained in the Assay.	Conforms
Residue on ignition	≤0.5%	0.20%
Specific optical rotation	-82.0 ° ~ -90.0 °	-85.1 °
Water	≤0.5%	0.17%
Relative substances	5,6-trans-dinoprostone: ≤ 2.0%	0.05%
	(5Z, 13E, 15S)-15-hydroxy-9-oxoprostano-5, 10, 13-triene-1-oic acid: ≤1.0%	0.13%
	(5Z, 13E, 15S)-15-hydroxy-9-oxoprostano-5, 8(12), 13-trien-1-oic acid: ≤1.0%	0.03%
	Total other impurity ≤ 1.0%	0.80%
Relative Solvents	ethyl acetate: ≤0.5%	0.26%
Assay	97.0%~ 103.0%	99.20%

Conclusion: It complies with the USP40 Standard

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F