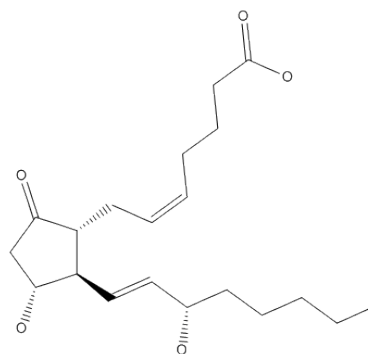


Certificate Of Analysis

Name: Prostaglandin E2
CAS No.: 363-24-6
Cat No.: A823207
Molecular Formula: C₂₀H₃₂O₅
Molecular Weight: 351.46
Batch No.: P16032022
Mfg.Date: 2022.03.16
Exp.Date: 2024.03.15



Items	Specifications	Results
Appearance	White powder	Conforms
Identification (IR, HPLC)	A(IR): Both spectrum of the test sample and the reference standard exhibit the same absorption.	Conforms
	B(HPLC): The retention time of the major peak in the chromatogram of the Assay preparation corresponds to that in the chromatogram of the Standard preparation, as obtained in the Assay.	
Solubility	Practically insoluble in water, very soluble in methanol, freely soluble in alcohol.	Conforms
Optical rotation	[α] ²⁰ _D : -82°~ -90°(EtOH)	-84.4°
Water	≤0.5%	0.16%
Loss on drying	≤1.0%	0.20%
Ignition	≤0.1%	0.03%
Residual solvents	Ethyl Acetate: ≤0.5%	0.16%
Particle size distribution	D90: ≤10um	9.3um
Purity (HPLC)	5,6-trans-dinoprostone≤ 2.0%	0.20%
	(5Z,13E,15S)-15-hydroxy-9-oxoprostanoic acid≤1.0%	0.40%
	(5Z,13E,15S)-15-hydroxy-9-oxoprostanoic acid≤1.0%	N.D

	Total other impurity \leq 1.0%	0.31%
Assay	97.0~103.0%	99.1%
Conclusion	The product tested complies with the specifications.	

Storage condition: Store in a tightly closed container in a cool and dry place.

Checker:

*If you have any comments and suggestions, please contact us by sales@amadischem.com

*For laboratory or manufacturing use only, not for drug, food and household use.