



# Chong Da Prostaglandin Fine Chemicals Co., Ltd

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## Certificate of analysis

Productname: AlprostadiI (Prostaglandin E1)

Cas number: 745-65-3

Molecular Formula: C<sub>20</sub>H<sub>34</sub>O<sub>5</sub>

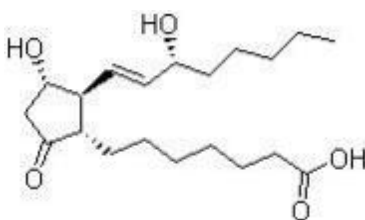
Molecular Weight: 354.48

Date of production: Apr. 01, 2024

Batch NO: CDALP20240401

Exp Date: Mar. 31, 2026

Chemical structure:



Items	Specification	Results
Appearance	White to off-white crystalline powder	white crystalline powder
Identification	HPLC retention time of sample complies with that of known sample	Complies
Specific optical rotation	-60.0° ~ -70.0°	-65.0°
Water	≤0.5%	0.18%
Residue on Ignition	≤0.5%	0.15%
Related Substances	Impurity A ≤1.5% Impurity B ≤0.5% Any other impurity ≤0.9% Total impurities ≤1.5%	N.D. N.D. N.D. 0.24%
Residual solvents	Ethanol ≤5000ppm Acetone ≤5000ppm Dichloromethane ≤600ppm n-Hexane ≤290ppm Ethyl acetate ≤5000ppm n-Heptane ≤5000ppm	505ppm N.D. N.D. N.D. 699ppm 448ppm
Assay	95.0%~102.5%(anhydrous substance)	99.8%

**Conclusion: It complies with the EP9.0/USP40 Standard**

Analyst: Zhao

Checker: Liu

Q.C Director. Fang F