



# Certificate of analysis

Productname: **Dinoprost Trometamol**

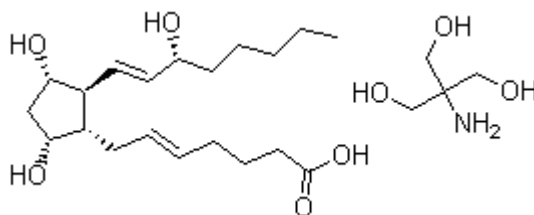
Cas number: 38562-01-5

Molecular Formula:  $C_{20}H_{34}O_5 \cdot C_4H_{11}NO_3$

Molecular Weight: 475.62

Date of production: May. 25, 2011

Chemical structure:



Items	Specifications	Results
Appearance	White or almost white powder	Conforms
Identification	HPLC,IR	Conforms
Optical rotation	$[\alpha]_{20D}^{+19} \sim +26^\circ$ (EtOH,1%,100ml)	+23.5°
Water	N.M.T 1.0%	0.03%
<b>Purity</b> 1)Related Substances	5,6-trans isomer N.M.T 2.0% 15(R)-isomer N.M.T 1.5% Any other impurity N.M.T 0.5% Total other impurity N.M.T 2.0%	Not detested 0.18% 0.04% 0.22%
2)Residual solvents	Acetonitrile N.M.T 0.04% Ethanol N.M.T 0.5% Acetone N.M.T 0.5%	0.0015% Not detected 0.043%
Assay	96.0~102.0%(anhydrous and solvent free basis)	99.70%

**Conclusion: It complies with the EP6.0 Standard.**

Analyst:Zhao

Checker:Liu

Q.C Director. Fang F