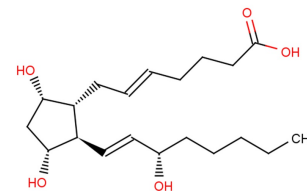


Dinoprost

Chemical Properties

CAS No.:	551-11-1
Formula:	C ₂₀ H ₃₄ O ₅
Molecular Weight:	354.48
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Dinoprost is a naturally occurring prostaglandin. It is used in medicine to induce labor and as an abortifacient.
Targets(IC ₅₀)	Human Endogenous Metabolite: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.821 mL	14.105 mL	28.21 mL
5 mM	0.564 mL	2.821 mL	5.642 mL
10 mM	0.282 mL	1.411 mL	2.821 mL
50 mM	0.056 mL	0.282 mL	0.564 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Sharma I, et al. Role of 8-iso-prostaglandin F₂α and 25-hydroxycholesterol in the pathophysiology of endometriosis. Fertil Steril. 2010 Jun;94(1):63-70.
- Coulthard G, et al. Stereocontrolled organocatalytic synthesis of prostaglandin PGF₂α in seven steps. Nature. 2012 Sep 13;489(7415):278-81.

Inhibitors · Natural Compounds · Compound Libraries

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