Data Sheet (Cat.No.T38194)



Prostaglandin E3

Chemical Properties

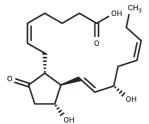
CAS No.: 802-31-3

Formula: C20H30O5

Molecular Weight: 350.45

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Prostaglandin E3 (PGE3) is formed via the cyclooxygenase (COX) metabolism of		
	eicosapentaenoic acid. [1] In human ocular tissue, it comprises 2.4% of the COX		
	products formed. [1] When applied to the eyes of a rabbit, a 1 µg dose of PGE3		
	decreases intraocular pressure from 21 mmHg to about 17 mmHg.[2]		

Solubility Information

Solubility		DMSO: >100 mg/mL (from PGE2)		
		DMF: >100 mg/mL (from PGE2)		
(A)		Ethanol: >100 mg/mL (from PGE2)		
		(< 1 mg/ml refers to the product slightly soluble or insoluble)		

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8535 mL	14.2674 mL	28.5347 mL
5 mM	0.5707 mL	2.8535 mL	5.7069 mL
10 mM	0.2853 mL	1.4267 mL	2.8535 mL
50 mM	0.0571 mL	0.2853 mL	0.5707 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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