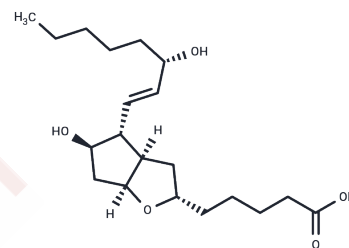


6 β -Prostaglandin I1

Chemical Properties

CAS No. :	62770-50-7
Formula:	C ₂₀ H ₃₄ O ₅
Molecular Weight:	354.487
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	6 β -PGI1 is a stable PGI ₂ analog resistant to hydrolysis in aqueous solutions. 6 β -PGI1 has a much longer half-life than PGI ₂ , but a greatly reduced molar potency for receptor mediated function. 6 β -PGI1 has a K _{act} for adenylate cyclase in NCB-20 cells of 4.2 μ M compared with 18 nM for PGI ₂ . The potency for vasodilation and inhibition of platelet aggregation is about 1% of PGI ₂ .
Targets(IC50)	Others, Prostaglandin Receptor

Solubility Information

Solubility	DMF: >10 (from 6 β -PGI1), Sonication is recommended. DMSO: >5 (from 6 β -PGI1), Sonication is recommended. PBS (pH 7.2): >80 μ g (from 6 β -PGI1), Sonication is recommended. Ethanol: >20 mg/mL (from 6 β -PGI1), Sonication is recommended. (< 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	14.1048 mL	28.2095 mL
5 mM	0.5642 mL	2.821 mL	5.6419 mL
10 mM	0.2821 mL	1.4105 mL	2.821 mL
50 mM	0.0564 mL	0.2821 mL	0.5642 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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