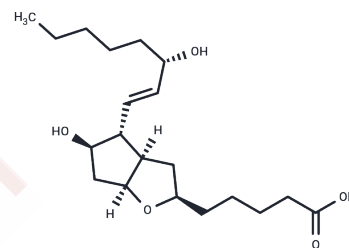


6 α -Prostaglandin I1

Chemical Properties

CAS No. :	62777-90-6
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 α -Prostaglandin I1 (6 α -PGI1) is a stable Prostaglandin I2 (PGI2) analog resistant to hydrolysis in aqueous solutions. It promotes cyclic AMP accumulation in human thyroid slices and cells in a concentration-dependent manner but is about 10-fold less potent than the β -isomer and 100-fold less potent than PGI2 in eliciting this response. 6 α -PGI1 exhibits an IC ₅₀ of 350 ng/ml for inhibition of ADP-induced platelet aggregation, nearly 900-fold higher than that of PGI2 (0.4 ng/ml).
Targets(IC ₅₀)	Others, Prostaglandin Receptor

Solubility Information

Solubility	DMSO: >5 (from 6b-PGI1), Sonication is recommended. Ethanol: >20 mg/mL (from 6b-PGI1), Sonication is recommended. DMF: >10 (from 6b-PGI1), Sonication is recommended. PBS (pH 7.2): >80 μ g (from 6b-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

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