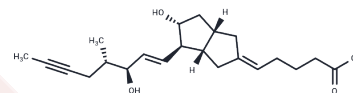


16(S)-Iloprost

Chemical Properties

CAS No. :	74843-14-4
Formula:	C ₂₂ H ₃₂ O ₄
Molecular Weight:	360.49
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	Iloprost is a second generation structural analog of prostacyclin (PGI ₂) with about ten-fold greater potency than the first generation stable analogs, typified by carbaprostacyclin. Iloprost binds with equal affinity to the recombinant human IP and EP1 receptors with a K _i value of 11 nM. Most preparations of iloprost contain 16(S) and 16(R) stereoisomers. 16(S)-Iloprost potently inhibits platelet aggregation with an IC ₅₀ value of 3.5 nM.
Targets(IC ₅₀)	Others, Prostaglandin Receptor

Solubility Information

Solubility	DMF: 30 mg/mL (83.22 mM), Sonication is recommended. Ethanol: 30 mg/mL (83.22 mM), Sonication is recommended. PBS (pH 7.2): 1 mg/mL (2.77 mM), Sonication is recommended. DMSO: 25 mg/mL (69.35 mM), 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	2.774 mL	13.870 mL	27.740 mL
5 mM	0.5548 mL	2.774 mL	5.548 mL
10 mM	0.2774 mL	1.387 mL	2.774 mL
50 mM	0.0555 mL	0.2774 mL	0.5548 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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