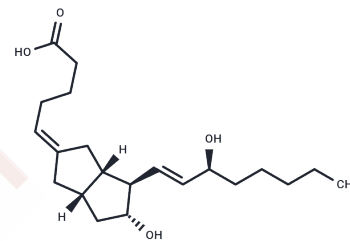


5-cis Carbaprostacyclin

Chemical Properties

CAS No. :	69609-77-4
Formula:	C ₂₁ H ₃₄ O ₄
Molecular Weight:	350.49
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	5-cis Carbaprostacyclin, a stable analog of PGI ₂ and an isomer of carbaprostacyclin, is a weak inhibitor of human platelet aggregation with an IC ₅₀ of 2.8 μM compared to 0.3 μM for carbaprostacyclin. It is a much weaker effector of rabbit mesenteric artery relaxation with an EC ₅₀ of 104 μM compared to 5.9 μM for carbaprostacyclin and even antagonizes the adenylate cyclase activation induced by carbaprostacyclin.
Targets(IC50)	Others,PPAR,Prostaglandin Receptor

Solubility Information

Solubility	Ethanol: >20 mg/mL (from 6B-PGI ₂),Sonication is recommended. DMF: >10 mg/mL (from 6B-PGI ₂),Sonication is recommended. DMSO: >5 mg/mL (from 6B-PGI ₂),Sonication is recommended. PBS (pH 7.2): >80 μg/mL (from 6B-PGI ₂),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	2.8531 mL	14.2657 mL	28.5315 mL
5 mM	0.5706 mL	2.8531 mL	5.7063 mL
10 mM	0.2853 mL	1.4266 mL	2.8531 mL
50 mM	0.0571 mL	0.2853 mL	0.5706 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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