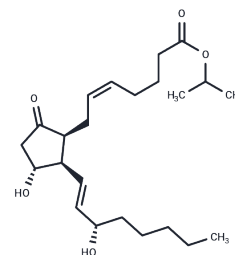


8-iso Prostaglandin E2 isopropyl ester

Chemical Properties

CAS No. :	330589-21-4
Formula:	C ₂₃ H ₃₈ O ₅
Molecular Weight:	394.54
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	8-iso PGE2 isopropyl ester is a more lipophilic form of the free acid, 8-iso PGE2. Prostaglandin esters have enhanced lipid solubility compared to their parent compounds. They are generally hydrolyzed to the free acid upon in vivo administration, making the esters useful prodrugs. In general, the C-1 esters of prostaglandins show greatly diminished agonist activity in vitro compared to the parent free acids.
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	DMSO: >50 mg/mL,Sonication is recommended. Ethanol: >50 mg/mL,Sonication is recommended. PBS (pH 7.2): <50 µg/mL,Sonication is recommended. DMF: >30 mg/mL,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	2.5346 mL	12.673 mL	25.346 mL
5 mM	0.5069 mL	2.5346 mL	5.0692 mL
10 mM	0.2535 mL	1.2673 mL	2.5346 mL
50 mM	0.0507 mL	0.2535 mL	0.5069 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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