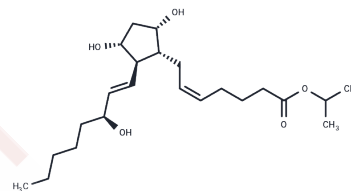


Prostaglandin F2 α isopropyl ester

Chemical Properties

CAS No. :	53764-90-2
Formula:	C ₂₃ H ₄₀ O ₅
Molecular Weight:	396.568
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PGF ₂ α isopropyl ester is an ester prodrug of PGF ₂ α with enhanced lipid solubility. Due to better membrane penetration, PGF ₂ α isopropyl ester is more suitable than PGF ₂ α or PGF ₂ α tromethamine salt for topical application in studies on intraocular pressure. The ester functionality is readily hydrolyzed in vivo to release the active compound PGF ₂ α . When administered topically to the eyes of cynomolgus monkeys, a 5 μ g dose reduces intraocular pressure by 68% after the fourth day of treatment.
Targets(IC50)	Others, Prostaglandin Receptor

Solubility Information

Solubility	DMSO: >50 mg/mL, Sonication is recommended. DMF: >30 mg/mL, Sonication is recommended. Ethanol: >50 mg/mL, Sonication is recommended. PBS (pH 7.2): <50 μ g/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	2.5216 mL	12.6081 mL	25.2162 mL
5 mM	0.5043 mL	2.5216 mL	5.0432 mL
10 mM	0.2522 mL	1.2608 mL	2.5216 mL
50 mM	0.0504 mL	0.2522 mL	0.5043 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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