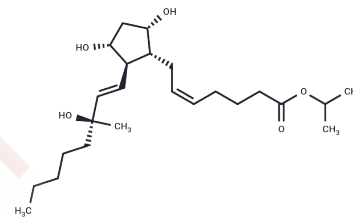


15(S)-15-methyl Prostaglandin F2 α isopropyl ester

Chemical Properties

CAS No. :	157283-72-2
Formula:	C ₂₄ H ₄₂ O ₅
Molecular Weight:	410.595
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	15(S)-15-methyl Prostaglandin F2 α (15(S)-15-methyl PGF2 α) has been shown to have potent uterine stimulant and abortifacient properties when administered intramuscularly to induce labor. 15(S)-15-methyl PGF2 α isopropyl ester is a lipophilic analog of 15(S)-15-methyl PGF2 α methyl ester, which may be hydrolyzed in vivo to the fully active free acid.
Targets(IC50)	Others

Solubility Information

Solubility	DMF: 20 mg/mL (48.71 mM),Sonication is recommended. DMSO: 20 mg/mL (48.71 mM),Sonication is recommended. Ethanol: 50 mg/mL (121.77 mM),Sonication is recommended. PBS (pH 7.2): 2 mg/mL (4.87 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	2.4355 mL	12.1773 mL	24.3546 mL
5 mM	0.4871 mL	2.4355 mL	4.8709 mL
10 mM	0.2435 mL	1.2177 mL	2.4355 mL
50 mM	0.0487 mL	0.2435 mL	0.4871 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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