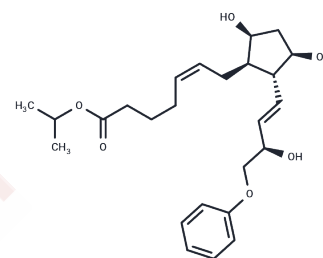


16-phenoxy tetranor Prostaglandin F2 α isopropyl ester

Chemical Properties

CAS No. :	130209-78-8
Formula:	C ₂₅ H ₃₆ O ₆
Molecular Weight:	432.557
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	Prostaglandin F ₂ α (PGF ₂ α) drives luteolysis and smooth muscle contraction by activating the FP receptor. Stable, lipophilic analogs of PGF ₂ α are used to modulate luteolysis and treat glaucoma. 16-phenoxy tetranor Prostaglandin F ₂ α isopropyl ester (16-phenoxy tetranor PGF ₂ α isopropyl ester) is a lipophilic analog of 16-phenoxy tetranor PGF ₂ α . Isopropyl esters of PGs serve as prodrugs, as they are efficiently hydrolyzed in certain tissues to generate the bioactive free acid.
Targets(IC50)	Others, Prostaglandin Receptor

Solubility Information

Solubility	PBS (pH 7.2): 0.5 mg/mL (1.16 mM), Sonication is recommended. DMF: 100 mg/mL (231.18 mM), Sonication is recommended. Ethanol: 100 mg/mL (231.18 mM), Sonication is recommended. DMSO: 100 mg/mL (231.18 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	2.3118 mL	11.5591 mL	23.1182 mL
5 mM	0.4624 mL	2.3118 mL	4.6236 mL
10 mM	0.2312 mL	1.1559 mL	2.3118 mL
50 mM	0.0462 mL	0.2312 mL	0.4624 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481