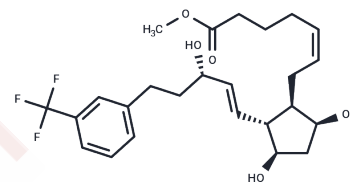


17-trifluoromethylphenyl trinor Prostaglandin F2 α methyl ester

Chemical Properties

CAS No. :	195503-20-9
Formula:	C ₂₅ H ₃₃ F ₃ O ₅
Molecular Weight:	470.529
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), acting through the FP receptor, causes smooth muscle contraction and exhibits potent luteolytic activity. 17-trifluoromethylphenyl trinor PGF ₂ α is an analog of PGF ₂ α that shares the meta-trifluoromethyl group of travoprost with the 17-phenyl trinor modification of latanoprost. It is anticipated to be a potent and selective agonist of the FP receptor, with potential applications in glaucoma and luteolysis. 17-trifluoromethylphenyl trinor PGF ₂ α methyl ester is a lipophilic analog of 17-trifluoromethylphenyl trinor PGF ₂ α . Methyl esters of PGs serve as prodrugs, as they are efficiently hydrolyzed in certain tissues to generate the bioactive free acid.
Targets(IC50)	Others

Solubility Information

Solubility	PBS (pH 7.2): 0.15 mg/mL (0.32 mM),Sonication is recommended. DMF: 25 mg/mL (53.13 mM),Sonication is recommended. Ethanol: 50 mg/mL (106.26 mM),Sonication is recommended. DMSO: 50 mg/mL (106.26 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	2.1253 mL	10.6263 mL	21.2526 mL
5 mM	0.4251 mL	2.1253 mL	4.2505 mL
10 mM	0.2125 mL	1.0626 mL	2.1253 mL
50 mM	0.0425 mL	0.2125 mL	0.4251 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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