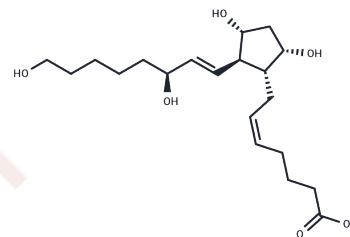


20-hydroxy Prostaglandin F2 α

Chemical Properties

CAS No. :	57930-92-4
Formula:	C ₂₀ H ₃₄ O ₆
Molecular Weight:	370.486
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	20-hydroxy Prostaglandin F2 α (20-hydroxy PGF2 α) is the ω -oxidation product of PGF2 α . Cultured type II alveolar cells from pregnant rabbits metabolize exogenous PGF2 α via microsomal cytochrome P450 ω -oxidation, producing 20-hydroxy PGF2 α and its 15-hydroxy PGDH metabolites [20-hydroxy PGF2 α and 15-hydroxy PGDH]. Cells from male rabbits exhibit only the 15-hydroxy PGDH pathway.
Targets(IC50)	Others,Prostaglandin Receptor

Solubility Information

Solubility	10 mM Na ₂ CO ₃ : >6.5 mg/mL (from PGF2 α),Sonication is recommended. Ethanol: >100 mg/mL (from PGF2 α),Sonication is recommended. DMF: >100 mg/mL (from PGF2 α),Sonication is recommended. PBS (pH 7.2): >10 mg/mL (from PGF2 α),Sonication is recommended. DMSO: >100 mg/mL (from PGF2 α),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	2.6991 mL	13.4956 mL	26.9913 mL
5 mM	0.5398 mL	2.6991 mL	5.3983 mL
10 mM	0.2699 mL	1.3496 mL	2.6991 mL
50 mM	0.054 mL	0.2699 mL	0.5398 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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