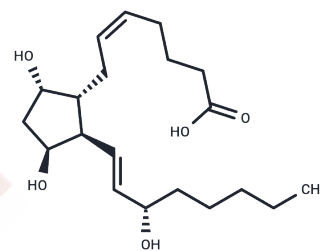


11 β -Prostaglandin F2 α

Chemical Properties

CAS No. :	38432-87-0
Formula:	C ₂₀ H ₃₄ O ₅
Molecular Weight:	354.48
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	11 β -Prostaglandin F2 α is a bioactive metabolite catalyzed by AKR1C3 that stimulates prostaglandin F receptors and induces slug expression in breast cancer. 11 β -Prostaglandin F2 α is also an endogenous metabolite present in urine.
Targets(IC50)	Others,Endogenous Metabolite

Solubility Information

Solubility	DMSO: 100 mg/mL (282.1 mM),Sonication is recommended. DMF: 100 mg/mL (282.1 mM),Sonication is recommended. Ethanol: 100 mg/mL (282.1 mM),Sonication is recommended. PBS (pH 7.2): 10 mg/mL (28.21 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	2.821 mL	14.1052 mL	28.2103 mL
5 mM	0.5642 mL	2.821 mL	5.6421 mL
10 mM	0.2821 mL	1.4105 mL	2.821 mL
50 mM	0.0564 mL	0.2821 mL	0.5642 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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