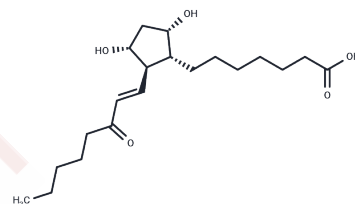


15-keto Prostaglandin F1 α

Chemical Properties

CAS No. :	21562-58-3
Formula:	C ₂₀ H ₃₄ O ₅
Molecular Weight:	354.487
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-keto PGF1 α is the initial metabolite of PGF1 α via 15-hydroxy PGDH. In mammals, oxidation of C-15 markedly attenuates receptor binding and activity. In fish, the 15-keto compounds serve as post-ovulatory pheromones and are more active than the parent prostaglandins.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: >50 mg/mL (from PGF1a),Sonication is recommended. DMF: >50 mg/mL (from PGF1a),Sonication is recommended. PBS (pH 7.2): >2 mg/mL (from PGF1a),Sonication is recommended. Ethanol: >75 mg/mL (from PGF1a),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	14.1048 mL	28.2095 mL
5 mM	0.5642 mL	2.821 mL	5.6419 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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