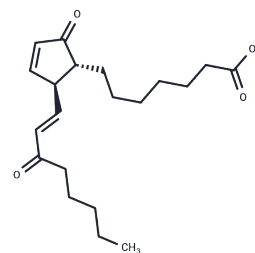


15-keto Prostaglandin A1

Chemical Properties

CAS No. :	61600-67-7
Formula:	C ₂₀ H ₃₀ O ₄
Molecular Weight:	334.45
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 A1 (PGA1) was first isolated as a dehydration product of the PGE1 compounds found in human semen. 15-keto PGA1 is a metabolite of PGA1, produced by 15-hydroxy PG dehydrogenase. It can be produced from PGA1 in pig lung, trachea, aorta, and pulmonary artery tissue preparations. 15-keto PGA1, given at a concentration of 6 μM, causes vasoconstriction of rabbit lung that is comparable to that induced by angiotensin II.
Targets(IC50)	RAAS,Others

Solubility Information

Solubility	DMSO: 50 mg/mL (149.5 mM),Sonication is recommended. Ethanol: 50 mg/mL (149.5 mM),Sonication is recommended. DMF: 50 mg/mL (149.5 mM),Sonication is recommended. PBS (pH 7.2): 1 mg/mL (2.99 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	2.990 mL	14.9499 mL	29.8998 mL
5 mM	0.598 mL	2.990 mL	5.980 mL
10 mM	0.299 mL	1.495 mL	2.990 mL
50 mM	0.0598 mL	0.299 mL	0.598 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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