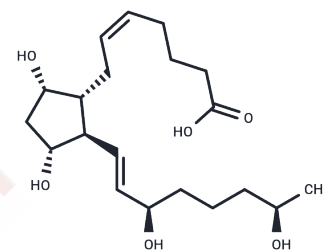


15(R),19(R)-hydroxy Prostaglandin F2 α

Chemical Properties

CAS No. :	1224444-23-8
Formula:	C ₂₀ H ₃₄ O ₆
Molecular Weight:	370.5
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	19(R)-Hydroxylated prostaglandins (PGs) are present at $\mu\text{g/ml}$ concentrations in the semen of some mammalian species, notably primates, with the majority being from the PGE series and featuring a 15(S),19(R) hydroxyl stereochemistry. These compounds are also observed in marsupials' seminal plasma, where F-type 1 and 2-series compounds are predominant. The 15(R)-hydroxy epimer represents the inverse or "unnatural" isomer at C-15 for these 19-hydroxylated PGs. Although the biological function of 19(R)-hydroxylated PGs remains unclear, 19(R)-hydroxylation in the F-series leads to a notable reduction in receptor-mediated biological activity in certain assays.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6991 mL	13.4953 mL	26.9906 mL
5 mM	0.5398 mL	2.6991 mL	5.3981 mL
10 mM	0.2699 mL	1.3495 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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