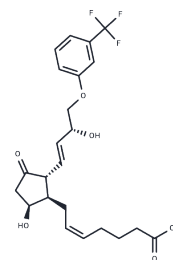


11-keto Fluprostenol

Chemical Properties

CAS No. :	62145-07-7
Formula:	C ₂₃ H ₂₇ F ₃ O ₆
Molecular Weight:	456.458
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-Keto Fluprostenol, a potent analog of prostaglandin F ₂ α (PGF ₂ α), primarily interacts with the FP receptor. It is a structurally modified derivative of prostaglandin D ₂ (PGD ₂) designed to enhance its potency and extend its half-life. The compound is produced by oxidizing fluprostenol at the C-11 position, which results in 11-keto fluprostenol. This modification allows 11-keto Fluprostenol to exhibit moderate affinity for the CRTH2/DP2 receptor, though it shows negligible activity at the DP1 receptor, distinguishing its action from that of PGD ₂ .
Targets(IC50)	Others,Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1908 mL	10.9539 mL	21.9077 mL
5 mM	0.4382 mL	2.1908 mL	4.3815 mL
10 mM	0.2191 mL	1.0954 mL	2.1908 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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.

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