Data Sheet (Cat.No.T38115)

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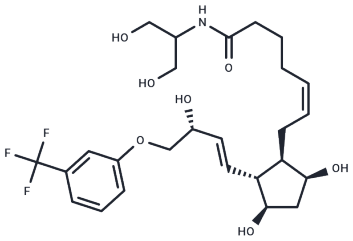
Fluprostenol serinol amide

Chemical Properties



CAS No. : 1176658-85-7

Formula: C26H36F3NO7

Molecular Weight: 531.569

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	2-arachidonyl glycerol (2-AG) exhibits cannabinoid (CB) agonist activity at the CB1 receptor, is an important endogenous monoglyceride species, and is thus considered to be the natural ligand for the CB1 receptor. 2-AG can also be metabolized by cyclooxygenase-2 and specific prostaglandin H2 (PGH2) isomerases to form PG 2-glyceryl esters. Fluprostenol serinol amide (Flu-SA) is a stable analog of PGF2α 2-glyceryl ester that has much greater stability. The biological activity of Flu-SA has not yet been determined.

Solubility Information

Solubility	DMF: 30 mg/mL DMSO: 20 mg/mL PBS (pH 7.2): 10 mg/mL Ethanol: 30 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8812 mL	9.4061 mL	18.8122 mL
5 mM	0.3762 mL	1.8812 mL	3.7624 mL
10 mM	0.1881 mL	0.9406 mL	1.8812 mL
50 mM	0.0376 mL	0.1881 mL	0.3762 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.

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