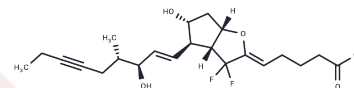


AFP-07 free acid

Chemical Properties

CAS No. :	788799-13-3
Formula:	C ₂₂ H ₃₀ F ₂ O ₅
Molecular Weight:	412.47
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	AFP 07 free acid is a 7,7-difluoroprostacyclin derivative. It also acts as a selective and highly potent agonist for the IP receptor.
Targets(IC50)	Others, Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4244 mL	12.1221 mL	24.2442 mL
5 mM	0.4849 mL	2.4244 mL	4.8488 mL
10 mM	0.2424 mL	1.2122 mL	2.4244 mL
50 mM	0.0485 mL	0.2424 mL	0.4849 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.

Reference

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- Jones RL, Chan KM. Investigation of the agonist activity of prostacyclin analogues on prostanoid EP4 receptors using GW 627368 and taprostene: evidence for species differences. *Prostaglandins Leukot Essent Fatty Acids.* 2005 Apr;72(4):289-99. PubMed PMID: 15763441.
- Chan KM, Jones RL. Partial agonism of taprostene at prostanoid IP receptors in vascular preparations from guinea-pig, rat, and mouse. *J Cardiovasc Pharmacol.* 2004 Jun;43(6):795-807. PubMed PMID: 15167273.
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