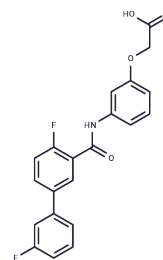


PGN-9856

Chemical Properties

CAS No. :	863704-91-0
Formula:	C ₂₁ H ₁₅ F ₂ N ₂ O ₄
Molecular Weight:	383.35
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	PGN-9856 is a selective and high-affinity EP2 receptor ligand, a selective EP2 receptor agonist with anti-inflammatory and intraocular pressure-lowering properties. It can be used in glaucoma research.
Targets(IC50)	Prostaglandin Receptor
In vitro	PGN-9856 is a selective, high-affinity (pK _i ≥ 8.3) human recombinant EP2 receptor ligand. [1]
In vivo	PGN-9856 has uterine contraction inhibition, anti-inflammatory and long-term IOP lowering properties. [1]

Solubility Information

Solubility	DMSO: 100 mg/mL (260.86 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	2.6086 mL	13.0429 mL	26.0858 mL
5 mM	0.5217 mL	2.6086 mL	5.2172 mL
10 mM	0.2609 mL	1.3043 mL	2.6086 mL
50 mM	0.0522 mL	0.2609 mL	0.5217 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

Coleman RA, et al. The affinity, intrinsic activity and selectivity of a structurally novel EP2 receptor agonist at human prostanoid receptors. Br J Pharmacol. 2019 Mar;176(5):687-698.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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