PGN-9856

Cat. No.: HY-115462

CAS No.: 863704-91-0

Molecular Formula: $C_{21}H_{15}F_2NO_4$

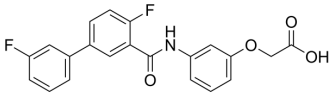
Molecular Weight: 383.34

Target: Prostaglandin Receptor

Pathway: GPCR/G Protein

Storage:

Powder	-20°C	3 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (326.08 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.6087 mL	13.0433 mL	26.0865 mL
	5 mM	0.5217 mL	2.6087 mL	5.2173 mL
	10 mM	0.2609 mL	1.3043 mL	2.6087 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

PGN-9856 is a selective and high affinity ($pK_i \geq 8.3$) ligand at EP2 receptor. PGN-9856 is a potetn and non-prostanoid EP2 receptor agonist ($pEC_{50} \geq 8.5$). PGN-9856 shows anti-inflammatory and anti-glaucoma activities[1].

IC_{50} & Target		
	EP2 ≥ 8.5 (pEC50)	EP2 ≥ 8.3 (pKi)

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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