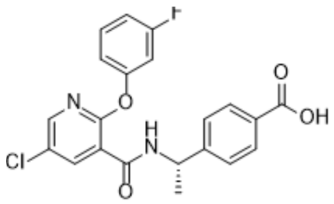
AAT-008

Cat. No.:	HY-122168
CAS No.:	847727-81-5
Molecular Formula:	$C_{21}H_{16}ClFN_2O_4$
Molecular Weight:	414.81
Target:	Prostaglandin Receptor
Pathway:	GPCR/G Protein
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (241.07 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.4107 mL	12.0537 mL	24.1074 mL
	5 mM	0.4821 mL	2.4107 mL	4.8215 mL
	10 mM	0.2411 mL	1.2054 mL	2.4107 mL

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

BIOLOGICAL ACTIVITY

Description

AAT-008 is a potent, selective, and orally active prostaglandin EP4 receptor antagonist with K_is of 0.97 and 6.1 nM for recombinant human EP4 and recombinant rat EP4, respectively[1].

IC_{50} & Target		
	EP4 0.97 nM (Ki)	EP4 6.1 nM (IC_{50})

REFERENCES

[1]. Okumura Y, et al. Discovery of AAT-008, a novel, potent, and selective prostaglandin EP4 receptor antagonist. Bioorg Med Chem Lett. 2017;27(5):1186-1192.

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

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