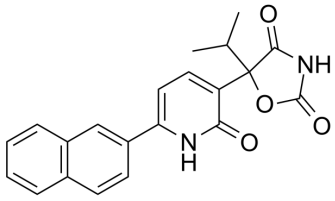
EP3 antagonist 3

Cat. No.:	HY-147226
CAS No.:	1227827-88-4
Molecular Formula:	$C_{21}H_{18}N_2O_4$
Molecular Weight:	362.38
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 : 250 mg/mL (689.88 mM; Need ultrasonic)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	2.7595 mL	13.7977 mL	27.5953 mL
5 mM	0.5519 mL	2.7595 mL	5.5191 mL
10 mM	0.2760 mL	1.3798 mL	2.7595 mL

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

BIOLOGICAL ACTIVITY

Description

EP3 antagonist 3 (compound 2) is an orally active, potent and selective EP3 antagonist, with a pK_i of 8.3. EP3 antagonist 3 shows excellent pharmacokinetic properties. EP3 antagonist 3 can be used for overactive bladder (OAB) research[1].

IC_{50} & Target

EP3
8.3 (pKi)

REFERENCES

[1]. Jin J, et al. Novel 3-Oxazolidinedione-6-aryl-pyridinones as Potent, Selective, and Orally Active EP3 Receptor Antagonists. ACS Med Chem Lett. 2010 May 14;1(7):316-20.

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

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