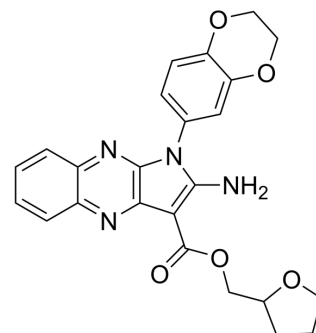


## EP2 receptor antagonist-1

<b>Cat. No.:</b>	HY-145684		
<b>CAS No.:</b>	848920-08-1		
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>22</sub> N <sub>4</sub> O <sub>5</sub>		
<b>Molecular Weight:</b>	446.46		
<b>Target:</b>	Prostaglandin Receptor		
<b>Pathway:</b>	GPCR/G Protein		
<b>Storage:</b>	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 (223.98 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.2398 mL	11.1992 mL	22.3984 mL
	5 mM	0.4480 mL	2.2398 mL	4.4797 mL
	10 mM	0.2240 mL	1.1199 mL	2.2398 mL

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

### BIOLOGICAL ACTIVITY

#### Description

EP2 receptor antagonist-1 (compound 1) is a potent, reversible, and agonist dependent allosteric prostaglandin EP2 receptor antagonist. EP2 receptor antagonist-1 shows anti-inflammatory effects<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

EP2

### REFERENCES

[1]. Jiang C, et, al. An Agonist Dependent Allosteric Antagonist of Prostaglandin EP2 Receptors. ACS Chem Neurosci. 2020 May 20;11(10):1436-1446.

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

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