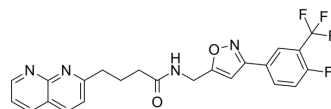


hGPR91 antagonist 3

Cat. No.:	HY-145919
CAS No.:	1314796-31-0
Molecular Formula:	C ₂₃ H ₁₈ F ₄ N ₄ O ₂
Molecular Weight:	458.41
Target:	Succinate Receptor 1
Pathway:	GPCR/G Protein
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (218.15 mM; ultrasonic and warming and heat to 80°C)				
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	
				5 mg	
				10 mg	
				10 mg	
			1 mg	5 mg	10 mg
	1 mM		2.1815 mL	10.9073 mL	21.8145 mL
	5 mM		0.4363 mL	2.1815 mL	4.3629 mL
	10 mM		0.2181 mL	1.0907 mL	2.1815 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.45 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	hGPR91 antagonist 3 (Compound 5g) is a potent and orally active GPR91 antagonist with IC ₅₀ of 35 nM and 135 nM, for human GPR91 and rat GPR91, respectively ^[1] .
IC ₅₀ & Target	IC ₅₀ : 35 nM (human GPR91) and 135 nM (rat GPR91) ^[1]

REFERENCES

[1]. Bhuniya D, et al. Discovery of a potent and selective small molecule hGPR91 antagonist. *Bioorg Med Chem Lett.* 2011;21(12):3596-3602.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA