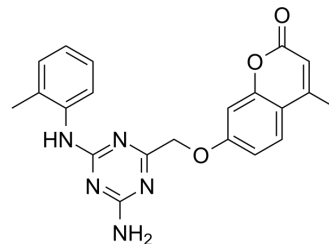


GPR40/FFAR1 modulator 1

Cat. No.:	HY-111763
CAS No.:	874755-26-7
Molecular Formula:	C ₂₁ H ₁₉ N ₃ O ₃
Molecular Weight:	389.41
Target:	Free Fatty Acid Receptor
Pathway:	GPCR/G Protein
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 31.25 mg/mL (80.25 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.5680 mL	12.8399 mL	25.6799 mL
				5 mM	0.5136 mL	2.5680 mL	5.1360 mL
				10 mM	0.2568 mL	1.2840 mL	2.5680 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.34 mM); Clear solution						

BIOLOGICAL ACTIVITY

Description	GPR40/FFAR1 modulator 1 is an agonist and an allosteric modulator for Gq-coupled free fatty acid receptor 1 (GPR40/FFAR1) [1].
IC ₅₀ & Target	Gq-coupled free fatty acid receptor 1 (GPR40/FFAR1) ^[1] .

REFERENCES

[1]. Lückmann M, et al. Molecular dynamics-guided discovery of an ago-allosteric modulator for GPR40/FFAR1. Proc Natl Acad Sci U S A. 2019 Apr 2;116(14):7123-7128.

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

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