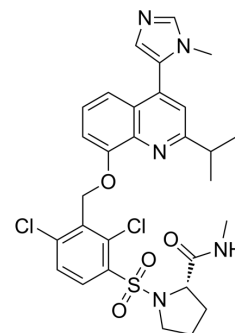


RORyt Inverse agonist 3

Cat. No.:	HY-128573
CAS No.:	2364429-77-4
Molecular Formula:	C ₂₉ H ₃₁ Cl ₂ N ₅ O ₄ S
Molecular Weight:	616.56
Target:	ROR
Pathway:	Metabolic Enzyme/Protease; Vitamin D Related/Nuclear Receptor
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (162.19 mM; Need ultrasonic)				
		Solvent	Mass		
	Preparing Stock Solutions	Concentration	1 mg	5 mg	10 mg
		1 mM	1.6219 mL	8.1095 mL	16.2190 mL
		5 mM	0.3244 mL	1.6219 mL	3.2438 mL
10 mM		0.1622 mL	0.8110 mL	1.6219 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.05 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.05 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	RORyt Inverse agonist 3 is a potent, selective and orally active RORγ inverse agonist, with EC ₅₀ s of 0.22 μM and 0.15 μM for hRORγ and RORyt (human IL-17 cells), respectively ^[1] .
IC₅₀ & Target	EC ₅₀ : 0.22 μM (hRORγ), 0.15 μM (RORyt, human IL-17 cells) ^[1]

REFERENCES

[1]. Amaudrut J, et al. Discovery of novel quinoline sulphonamide derivatives as potent, selective and orally active RORγ inverse agonists. *Bioorg Med Chem Lett*. 2019 Jul 15;29(14):1799-1806.

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

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