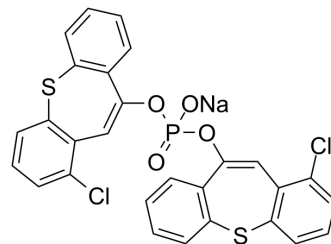


## GPR84 antagonist 2

Cat. No.:	HY-145697
CAS No.:	2244269-74-5
Molecular Formula:	C <sub>28</sub> H <sub>16</sub> Cl <sub>2</sub> NaO <sub>4</sub> PS <sub>2</sub>
Molecular Weight:	605.42
Target:	GPR84
Pathway:	GPCR/G Protein
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (206.47 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.6517 mL	8.2587 mL	16.5175 mL	
5 mM	0.3303 mL	1.6517 mL	3.3035 mL	
10 mM	0.1652 mL	0.8259 mL	1.6517 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

GPR84 antagonist 2 (compound 33) is a potent, selective, and orally active GPR84 antagonist (IC<sub>50</sub>=8.95 nM). GPR84 antagonist 2 shows improved potency in the calcium mobilization assay and the ability to inhibit the chemotaxis of neutrophils and macrophages upon GPR84 activation. GPR84 antagonist 2 has the potential for the research of ulcerative colitis<sup>[1]</sup>.

### REFERENCES

[1]. Chen LH, et al. Phosphodiesterases as GPR84 Antagonists for the Treatment of Ulcerative Colitis. *J Med Chem.* 2022;65(5):3991-4006.

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

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