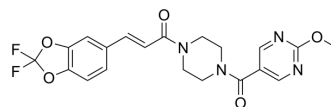


GPR183 antagonist-2

Cat. No.:	HY-162011		
CAS No.:	2924063-98-7		
Molecular Formula:	C ₂₀ H ₁₈ F ₂ N ₄ O ₅		
Molecular Weight:	432.38		
Target:	EBI2/GPR183		
Pathway:	GPCR/G Protein		
Storage:	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 (231.28 mM; ultrasonic and warming and heat to 80°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3128 mL	11.5639 mL	23.1278 mL
5 mM	0.4626 mL	2.3128 mL	4.6256 mL
10 mM	0.2313 mL	1.1564 mL	2.3128 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: 5 mg/mL (11.56 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

GPR183 antagonist-2 (compound 32) is a selective GPR183 antagonist with good water solubility and excellent pharmacokinetic properties. GPR183 antagonist-2 significantly reduces paw and joint swelling and gene expression of pro-inflammatory cytokines (MCP-1, MMPs, and VEGF) in a collagen-induced arthritis (CIA) mouse model in a dose-dependent manner. GPR183 antagonist-2 can be used in the study of autoimmune diseases^[1].

REFERENCES

[1]. Xi J, et al. Discovery of a First-in-Class GPR183 Antagonist for the Potential Treatment of Rheumatoid Arthritis. J Med Chem. 2023 Dec 14;66(23):15926-15943.

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

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