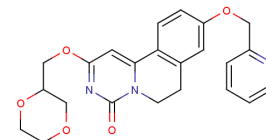


Data Sheet (Cat.No.T11462)

GPR84 antagonist 8

Chemical Properties

CAS No.:	1445846-30-9
Formula:	C ₂₃ H ₂₃ N ₃ O ₅
Molecular Weight:	421.45
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	GPR84 antagonist 8 is a selective GPR84 antagonist.
Targets(IC ₅₀)	GPR84: None
In vitro	GPR84 antagonist 8 effectively inhibits the action of 6-OAU in decreasing cAMP production in GPR84-CHO cells. To test GPR84 antagonist 8's inhibition of the pro-inflammatory effects of GPR84 activation in macrophages, LPS pre-treated BMDMs are incubated with 10 μM GPR84 antagonist 8 for 30 min before adding 1 μM 6-OAU. Protein analysis by Western Blot shows that the GPR84 antagonist 8 partially blocks the phosphorylation of AKT and ERK induced by 6-OAU.

Solubility Information

Solubility	DMSO: 5 mg/mL (11.86 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.373 mL	11.864 mL	23.728 mL
5 mM	0.475 mL	2.373 mL	4.746 mL
10 mM	0.237 mL	1.186 mL	2.373 mL
50 mM	0.047 mL	0.237 mL	0.475 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Recio C, et al. Activation of the Immune-Metabolic Receptor GPR84 Enhances Inflammation and Phagocytosis in Macrophages. *Front Immunol.* 2018 Jun 20;9:1419.

Inhibitors · Natural Compounds · Compound Libraries

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