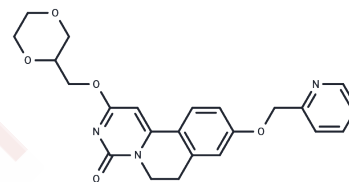


## GPR84 antagonist 8

## Chemical Properties

CAS No. :	1445846-30-9
Formula:	C <sub>23</sub> H <sub>23</sub> N <sub>3</sub> O <sub>5</sub>
Molecular Weight:	421.45
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	GPR84 antagonist 8 is a selective GPR84 antagonist applicable for investigating inflammatory and fibrotic diseases.
Targets(IC50)	GPCR
In vitro	GPR84 antagonist 8 (10µM, 30 minutes) was used to treat lipopolysaccharide (LPS)-pretreated bone marrow-derived macrophages (BMDMs), followed by the addition of 1µM 6-OAU. Western blot analysis <b>Results</b> indicated that GPR84 antagonist 8 could partially block 6-OAU-induced phosphorylation of AKT and ERK proteins. [1]

## Solubility Information

Solubility	DMSO: 4 mg/mL (9.49 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3728 mL	11.8638 mL	23.7276 mL
5 mM	0.4746 mL	2.3728 mL	4.7455 mL
10 mM	0.2373 mL	1.1864 mL	2.3728 mL
50 mM	0.0475 mL	0.2373 mL	0.4746 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

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

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481