

For Research Use Only

GPR84 Antagonist 8

Catalog Number: CM04294

产品信息

Catalog Number:
CM04294

CAS号:
1445846-30-9

分子式:
C₂₃H₂₃N₃O₅

主要靶点:
GPCR

主要通路:
GPCR/G Protein

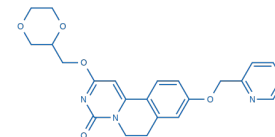
分子量:
421.4458

MDL NO:

Pubchem ID:
71598639.0

溶解度:

DMSO 5 mg/mL



描述

GPR84 is a medium chain fatty acid (MCFA) receptor, with capric acid (a 10-carbon chain fatty acid) being the most potent ligand. It is highly expressed in the cells of myeloid lineage that constitute the innate immune system, including monocytes, macrophages, and neutrophils in the periphery and microglia in the brain. GPR84 Antagonist 8 is a selective GPR84 antagonist from the patent literature (Galapagos NV Company, US 2013/0165437 A1). As a GPCR antagonist, GPR84 Antagonist 8 dose-dependently inhibited the action of 6-OAU in decreasing cAMP production in GPR84-CHO cells. Blockade of GPR84 activation by pre-treatment with GPR84 Antagonist 8 at 10 μ M for 30min before adding 1 μ M GPR84 agonist 6-OAU in LPS pre-treated BMDMs, reduced the expression of TNF α , IL-6, IL12b, CCL2, CCL5, and CXCL1, as well as partially blocked the phosphorylation of AKT and ERK induced by 6-OAU. GPR84 Antagonist 8 at 10 μ M could antagonize the migration, bacterial adhesion, and phagocytosis promoted by 6-OAU mediated—GPR84 activation in macrophages. Pretreatment with GPR84 Antagonist 8 at 10 μ M for 1h blocked 6-OAU induced U937 cell migration.

储存

储存条件:

粉末	-20°C	3年
液体	-80°C	1年

运输条件:

Shipped in cold pack