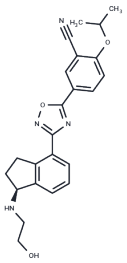
Data Sheet (Cat.No.T6923)

TargetMol

Ozanimod

Chemical Properties



CAS No. : 1306760-87-1

Formula: C23H24N4O3

Molecular Weight: 404.46

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Ozanimod (RPC-1063) (RPC1063) is a specific oral S1P Receptor 1 modulator. Ozanimod has been used in trials studying the treatment of Crohn's Disease, Ulcerative Colitis, Multiple Sclerosis, and Relapsing Multiple Sclerosis.
Targets(IC50)	LPL Receptor,S1P Receptor
In vitro	In S1P1R-HEK293T cells, Ozanimod induces sustained S1P1R internalization and degradation. [1]
In vivo	In vivo, Ozanimod shows high oral bioavailability and volume of distribution. In a MOG-induced EAE mouse model, Ozanimod (3 mg/kg, p.o.) suppresses Clinicalal symptoms. In a rat TNBS model of inflammatory bowel disease, Ozanimod (1.2 mg/kg, p.o.) inhibits Clinicalal and histological disease scores. In a Na?ve CD4+CD45Rbhi T cell adoptive transfer model, Ozanimod (1.2 mg/kg, p.o.) also significantly reduced disease severity as assessed by measuring the degree of inflammation, gland loss, hyperplasia, neutrophil infiltrate and mucosal thickness. [1]

Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble or slightly soluble), DMSO: 16.67 mg/mL (41.21 mM),Sonication is recommended. Ethanol: 10 mg/mL (24.72 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4724 mL	12.3622 mL	24.7243 mL
5 mM	0.4945 mL	2.4724 mL	4.9449 mL
10 mM	0.2472 mL	1.2362 mL	2.4724 mL
50 mM	0.0494 mL	0.2472 mL	0.4945 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.

Reference

Scott FL, et al. Br J Pharmacol. 2016. doi: 10.1111/bph.13476.