Zectivimod

Cat. No.: HY-139555

CAS No.: 1623066-63-6

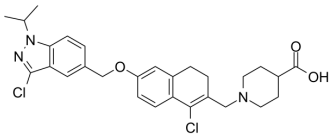
Molecular Formula: $C_{28}H_{31}Cl_2N_3O_3$

Molecular Weight: 528.47

Target: LPL Receptor

Pathway: GPCR/G Protein

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (189.23 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8923 mL	9.4613 mL	18.9226 mL
	5 mM	0.3785 mL	1.8923 mL	3.7845 mL
	10 mM	0.1892 mL	0.9461 mL	1.8923 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 2.5 mg/mL (4.73 mM); Suspended solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (4.73 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (4.73 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Zectivimod is a sphingosine-1-phosphate receptor agonist. Zectivimod can be used for the research of autoimmune diseases, chronic inflammatory diseases and immunoregulation disorders[1].

IC_{50} & Target

sphingosine-1-phosphate receptor[1]

In Vivo

Sphingosine-1-Phosphate□□□□□□

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Paek SY, et, al. Sphingosine-1-phosphate receptor agonists, methods of preparing the same, and pharmaceutical compositions containing the same as an active agent. WO2014129796A1.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA