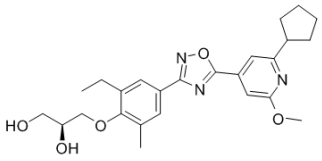
Cenerimod

Cat. No.:	HY-17606
CAS No.:	1262414-04-9
Molecular Formula:	$C_{25}H_{31}N_3O_5$
Molecular Weight:	453.53
Target:	LPL Receptor
Pathway:	GPCR/G Protein
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (220.49 mM)

H_2O : < 0.1 mg/mL (insoluble)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Concentration \ Solvent, Mass	1 mg	5 mg	10 mg
1 mM	2.2049 mL	11.0246 mL	22.0493 mL
5 mM	0.4410 mL	2.2049 mL	4.4099 mL
10 mM	0.2205 mL	1.1025 mL	2.2049 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 (5.51 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (5.51 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Cenerimod (ACT-334441) is a potent and orally available sphingosine 1-phosphate 1 receptor (S1P1) agonist extracted from patent WO 2016184939 A1 and WO 2011007324 A1, example 1, with an EC_{50} of 2.7 nM.

IC_{50} & Target

EC50: 2.7 nM[2]

REFERENCES

[1]. WO 2016184939 A1

[2]. WO 2011007324 A1

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