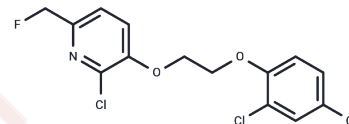


CYM50260

Chemical Properties

CAS No. :	1355026-60-6
Formula:	C ₁₄ H ₁₁ Cl ₃ FNO ₂
Molecular Weight:	350.6
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	CYM50260 is a potent and highly selective agonist of the sphingosine-1-phosphate 4 receptor (S1P4-R, EC50= nM), exhibiting no activity against S1P1-R, S1P2-R, S1P3-R, and S1P5-R.
Targets(IC50)	LPL Receptor
In vitro	CYM50260 is a synthetic agonist of S1P4-R. CYM50260 suppresses the collagen-stimulated platelet aggregation, sCD40L release and PDGF-AB secretion. CYM50260 is found 3.5-fold more potent than the hit compound (HTS-hit)[1]. CYM50260 decreases the release of phosphorylated-HSP27 by collagen as well as the phosphorylation of HSP27 [2].

Solubility Information

Solubility	DMSO: 50 mg/mL (142.61 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8523 mL	14.2613 mL	28.5225 mL
5 mM	0.5705 mL	2.8523 mL	5.7045 mL
10 mM	0.2852 mL	1.4261 mL	2.8523 mL
50 mM	0.057 mL	0.2852 mL	0.5705 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

Guerrero M, et al. Discovery, design and synthesis of novel potent and selective sphingosine-1-phosphate 4 receptor (S1P₄-R) agonists. *Bioorg Med Chem Lett*. 2012 Jan 1;22(1):537-42.

Onuma T, et al. Sphingosine 1-phosphate (S1P) suppresses the collagen-induced activation of human platelets via S1P₄ receptor. *Thromb Res*. 2017 Aug;156:91-100.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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