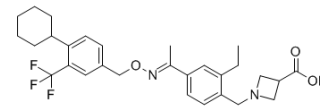


Siponimod

Cat. No.:	HY-12355		
CAS No.:	1230487-00-9		
Molecular Formula:	C ₂₉ H ₃₅ F ₃ N ₂ O ₃		
Molecular Weight:	516.6		
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 : ≥ 30 mg/mL (58.07 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration \ Mass	1 mg	5 mg	10 mg
	1 mM	1.9357 mL	9.6787 mL	19.3573 mL
5 mM	0.3871 mL	1.9357 mL	3.8715 mL	
10 mM	0.1936 mL	0.9679 mL	1.9357 mL	

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

In Vivo

- Add each solvent one by one: **10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline**
Solubility: ≥ 2.5 mg/mL (4.84 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% (20% SBE-β-CD in saline)**
Solubility: ≥ 2.5 mg/mL (4.84 mM); Clear solution
- Add each solvent one by one: **10% DMSO >> 90% corn oil**
Solubility: ≥ 2.5 mg/mL (4.84 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Siponimod (BAF-312) is a potent and selective **sphingosine-1-phosphate (S1P)** receptor modulator. It is selective for S1P1 and S1P5 receptors over S1P2, S1P3, and S1P4 (EC₅₀s of 0.39, 0.98, >10,000, >1,000, and 750 nM, respectively). Used to treat adult multiple sclerosis.

CUSTOMER VALIDATION

- Proc Natl Acad Sci U S A. 2019 May 21;116(21):10557-10562.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Pan S, et al. Discovery of BAF312 (Siponimod), a Potent and Selective S1P Receptor Modulator. ACS Med Chem Lett. 2013 Jan 4;4(3):333-7.
 - [2]. McGinley M, et al. Prospects of siponimod in secondary progressive multiple sclerosis. Ther Adv Neurol Disord. 2018 Jul 17;11:1756286418788013.
-

Caution: Product has not been fully validated for medical applications. For research use only.

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