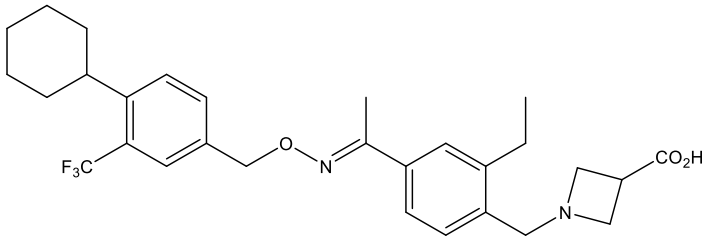
Catalog # 10-4231
Siponimod

CAS# 1230487-00-9

1-[[4-[(*E*)-*N*-[[4-Cyclohexyl-3-(trifluoromethyl)phenyl]methoxy]-*C*-methylcarbonimidoyl]-2-ethylphenyl]methyl]azetidine-3-carboxylic acid; BAF312; NVP-BAF312-NX

Lot # FBS5028



Siponimod is potent sphingosine-1-phosphate receptor agonist with selectivity for S1P1 (EC_{50} = 0.4 nM) and S1P5 (EC_{50} = 1 nM).[1,2] FDA approved for the treatment of relapsing forms of multiple sclerosis. Siponimod binds to S1P receptors on B and T cells preventing their release from lymph nodes. It may have positive effects on remyelination of neurons.[3]

1) Pan *et al*. (2013), *Discovery of BAF312 (Siponimod), a Potent and Selective S1P Receptor Modulator*; ACS Med. Chem. Lett. **4** 333
2) Gergely *et al*. (2012), *The selective sphingosine-1-phosphate receptor modulator BAF312 redirects lymphocyte distribution and has species-specific effects on heart rate*; Br. J. Pharmacol. **167** 1035
3) Wu *et al*. (2026), *Effects of Sphingosine-1 phosphate Modulators on Central Remyelination: A Systemic Review of Animal Models*; Cell Mol. Neurobiol. Online ahead of print

PHYSICAL DATA

Molecular Weight:	516.61
Molecular Formula:	$C_{29}H_{35}F_3N_2O_3$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (>50 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied, desiccated at -20°C for up to 2 years from the date of purchase.
	Solutions in DMSO may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462
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