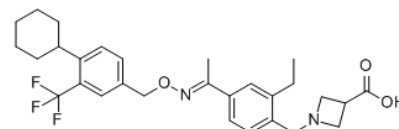


**Product Name** : Siponimod  
**Cat. No.** : PC-43000  
**CAS No.** : 1230487-00-9  
**Molecular Formula** : C<sub>29</sub>H<sub>35</sub>F<sub>3</sub>N<sub>2</sub>O<sub>3</sub>  
**Molecular Weight** : 516.595  
**Target** : Lysophospholipid Receptor  
**Solubility** : DMSO: ≥ 30 mg/mL



## Biological Activity

Siponimod (BAF312) is a potent, selective **S1P1/S1P5** receptor modulator with EC<sub>50</sub> of 0.39/0.098 nM, >1,000-fold selectivity over S1P2/3/4.

Siponimod (BAF312) suppresses ongoing disease symptoms in rat EAE, concentration-dependently increases GIRK current amplitude in atrial myocytes with EC<sub>50</sub> of 15.8 nM.

Siponimod (BAF312) reduces peripheral absolute lymphocyte counts in vivo, exhibits potential as a treatment for immune-mediated diseases.

## References

Pan S, et al. *ACS Med Chem Lett.* 2013 Jan 4;4(3):333-7.

Gergely P, et al. *Br J Pharmacol.* 2012 Nov;167(5):1035-47.

Fryer RM, et al. *PLoS One.* 2012;7(12):e52985.

Selmaj K, et al. *Lancet Neurol.* 2013 Aug;12(8):756-67.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com