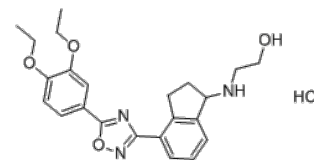


Product Name : CYM5442
Cat. No. : PC-63009
CAS No. : 1094042-01-9
Molecular Formula : C₂₃H₂₈ClN₃O₄
Molecular Weight : 445.944
Target : Lysophospholipid Receptor
Solubility : 10 mM in DMSO



Biological Activity

CYM 5442 is a potent and selective **S1P1** agonist with EC₅₀ of 1.35 nM.

CYM5442 activates S1P1-dependent p42/p44 MAPK phosphorylation and induces S1P1-dependent blood lymphopenia, decreasing B lymphocytes by 65% and T lymphocytes by 85% of vehicle.

References

Gonzalez-Cabrera PJ, et al. *Mol Pharmacol*. 2008 Nov;74(5):1308-18.

Gonzalez-Cabrera PJ, et al. *Mol Pharmacol*. 2012 Feb;81(2):166-74.

Cheng Q, et al. *Cell Mol Immunol*. 2015 Nov;12(6):681-91.

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

E-mail: tech@probechem.com