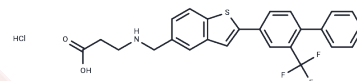


## AUY954 HCl

## Chemical Properties

CAS No. :	820240-78-6
Formula:	C <sub>25</sub> H <sub>21</sub> ClF <sub>3</sub> NO <sub>2</sub> S
Molecular Weight:	491.95
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	AUY-954 is a potent and selective S1P(1) modulator. AUY-954 prevents experimental autoimmune neuritis in rats.
Targets(IC50)	Others,LPL Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0327 mL	10.1636 mL	20.3273 mL
5 mM	0.4065 mL	2.0327 mL	4.0655 mL
10 mM	0.2033 mL	1.0164 mL	2.0327 mL
50 mM	0.0407 mL	0.2033 mL	0.4065 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

Gaire BP, Lee CH, Sapkota A, Lee SY, Chun J, Cho HJ, Nam TG, Choi JW. Identification of Sphingosine 1-Phosphate Receptor Subtype 1 (S1P(1)) as a Pathogenic Factor in Transient Focal Cerebral Ischemia. *Mol Neurobiol*. 2017 Mar 25. doi: 10.1007/s12035-017-0468-8. [Epub ahead of print] PubMed PMID: 28343295.

Tölle M, Klöckl L, Wiedon A, Zidek W, van der Giet M, Schuchardt M. Regulation of endothelial nitric oxide synthase activation in endothelial cells by S1P1 and S1P3. *Biochem Biophys Res Commun*. 2016 Aug 5;476(4):627-34. doi: 10.1016/j.bbrc.2016.06.009. Epub 2016 Jun 7. PubMed PMID: 27282481.

O'Sullivan C, Schubart A, Mir AK, Dev KK. The dual S1PR1/S1PR5 drug BAF312 (Siponimod) attenuates demyelination in organotypic slice cultures. *J Neuroinflammation*. 2016 Feb 8;13:31. doi: 10.1186/s12974-016-0494-x. PubMed PMID: 26856814; PubMed Central PMCID: PMC4746808.

Montrose DC, Scherl EJ, Bosworth BP, Zhou XK, Jung B, Dannenberg AJ, Hla T. S1P<sub>1</sub> localizes to the colonic vasculature in ulcerative colitis and maintains blood vessel integrity. *J Lipid Res*. 2013 Mar;54(3):843-51. doi: 10.1194/jlr.M034108. Epub 2013 Jan 7. PubMed PMID: 23296878; PubMed Central PMCID: PMC3617958.

**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