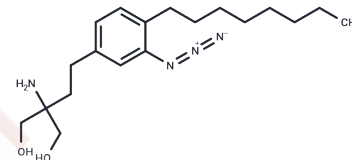


## Azido-FTY720

## Chemical Properties

CAS No. :	881914-35-8
Formula:	C <sub>19</sub> H <sub>32</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	348.49
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Azido-FTY720 (azido-Fingolimod) is an analogue of FTY720 featuring an azido group suitable for click chemistry reactions. FTY720 is an orally available S1P analogue and S1P1R modulator capable of crossing the blood-brain barrier (BBB), reducing neuroinflammation, and is indicated for multiple sclerosis (MS).
Targets(IC50)	S1P Receptor

## Solubility Information

Solubility	Ethanol: 10 mg/mL (28.7 mM), Sonication is recommended. DMF: 10 mg/mL (28.7 mM), Sonication is recommended. DMSO: 10 mg/mL (28.7 mM), Sonication is recommended. Ethanol:PBS (pH 7.2) (1:1): < 1 mg/mL (insoluble), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8695 mL	14.3476 mL	28.6952 mL
5 mM	0.5739 mL	2.8695 mL	5.739 mL
10 mM	0.287 mL	1.4348 mL	2.8695 mL
50 mM	0.0574 mL	0.287 mL	0.5739 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

Chaode Sun, et al. A photoreactive analogue of the immunosuppressant FTY720. J Org Chem. 2006 Mar 3;71(5): 2200-2.

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