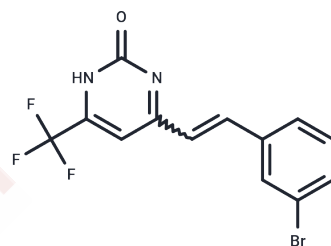


BVFP

Chemical Properties

CAS No. :	357158-20-4
Formula:	C ₁₃ H ₈ BrF ₃ N ₂ O
Molecular Weight:	345.12
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	BVFP is a PGRN-SORT1 inhibitor/SORT1 antagonist that binds to key residues 588-593 of PGRN, a multifunctional secreted glycoprotein, and SORT1, a neuronal receptor for PGRN. BVFP is able to block PGRN-SORT1 binding, restore extracellular levels of PGRN, inhibits SORT1-mediated rPGRN endocytosis, and has therapeutic potential for frontotemporal lobe dementia (FTLD-TDP).
Targets(IC50)	Neurotensin Receptor

Solubility Information

Solubility	DMSO: 40 mg/mL (115.9 mM), 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	2.8975 mL	14.4877 mL	28.9754 mL
5 mM	0.5795 mL	2.8975 mL	5.7951 mL
10 mM	0.2898 mL	1.4488 mL	2.8975 mL
50 mM	0.058 mL	0.2898 mL	0.5795 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

Lee WC, et al. Targeted manipulation of the sortilin-progranulin axis rescues progranulin haploinsufficiency. Hum Mol Genet. 2014 Mar 15;23(6):1467-78.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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