

ESI1

Chemical Properties

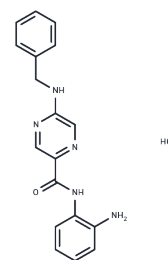
CAS No. :

Formula: C₁₈H₁₈ClN₅O

Molecular Weight: 355.82

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	ESI1 is a small molecule inhibitor of epigenetic silencing. This compound induces the formation of nuclear aggregates of the key lipid metabolism regulator SREBP1/2, thereby concentrating transcription co-activators to drive lipid/cholesterol biosynthesis. Additionally, ESI1 promotes myelin regeneration in demyelination animal models and facilitates de novo myelination on regenerating CNS axons, reversing age-related cognitive decline.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8104 mL	14.052 mL	28.1041 mL
5 mM	0.5621 mL	2.8104 mL	5.6208 mL
10 mM	0.281 mL	1.4052 mL	2.8104 mL
50 mM	0.0562 mL	0.281 mL	0.5621 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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