

PTP σ Inhibitor, ISP

Chemical Properties

CAS No. :

Formula: C177H306N66O54S3

Molecular Weight: 4318.93

Keep away from moisture

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	PTP σ Inhibitor ISP is a compound that binds to recombinant human PTPs, thereby inhibiting PTP σ signaling. It has the capability to penetrate membranes and counteract the inhibitory effects of chondroitin sulfate proteoglycan (CSPG) on axonal sprouting in spinal cord injury models. Additionally, it fosters remyelination in lysolecithin (LPC)-induced demyelinated spinal cords and supports the migration and maturation of oligodendrocyte progenitor cells (OPCs), enhancing remyelination and functional recovery in Multiple Sclerosis (MS) animal models [1] [2].
Targets(IC50)	Phosphatase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2315 mL	1.1577 mL	2.3154 mL
5 mM	0.0463 mL	0.2315 mL	0.4631 mL
10 mM	0.0232 mL	0.1158 mL	0.2315 mL
50 mM	0.0046 mL	0.0232 mL	0.0463 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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