

Cyclotraxin B TFA

Chemical Properties

CAS No. :

Formula: C50H74F3N13O19S3

Molecular Weight: 1314.39

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	Cyclotraxin B TFA, a cyclic peptide, is a highly potent and selective non-competitive inhibitor of TrkB, effectively impeding BDNF-triggered TrkB activity without altering BDNF binding affinity, with an IC50 of 0.30 nM. It crosses the blood-brain barrier, demonstrating analgesic and anxiolytic-like behavioral effects [1] [2] [3].
Targets(IC50)	Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.7608 mL	3.804 mL	7.6081 mL
5 mM	0.1522 mL	0.7608 mL	1.5216 mL
10 mM	0.0761 mL	0.3804 mL	0.7608 mL
50 mM	0.0152 mL	0.0761 mL	0.1522 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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