

Tat-peptide 190-208 TFA

Chemical Properties

CAS No. :

Formula: C142H214N40O57.C2HF3O2

Molecular Weight: 3507.47

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	Tat-peptide 190-208 TFA is a Tat-labeled, cell-permeable fusion peptide derived from residues 190-208 of rat G3BP1. The HIV-derived Tat sequence at the peptide's least conserved region confers cellular permeability. This compound promotes axon growth and enhances neurite formation per neuron, suggesting an axon intrinsic mechanism of action. Additionally, it has potential applications in providing ischemic protection during endovascular repair of intracranial aneurysms [1].
In vitro	Tat-peptide 190-208 TFA at concentrations of 10 μ M and 20 μ M administered for 24 hours increased axonal length in isolated DRG cultures and the iMotor neurons, respectively [1]. Additionally, a 10 μ M dose of Tat-peptide 190-208 TFA over a 3-day period increased the total number of axons extending from each neuron [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.2851 mL	1.4255 mL	2.8511 mL
5 mM	0.057 mL	0.2851 mL	0.5702 mL
10 mM	0.0285 mL	0.1426 mL	0.2851 mL
50 mM	0.0057 mL	0.0285 mL	0.057 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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