

Tat-peptide 190-208

Chemical Properties

CAS No. :

Formula: C142H214N40O57

Molecular Weight:

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

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|---------------|---|
| Description | Tat-peptide 190-208 is a Tat-tagged cell-penetrating fusion peptide that corresponds to residues 190-208 of rat G3BP1. The Tat sequence from HIV, positioned at the least conserved end of the sequence, facilitates cell permeability. Tat-peptide 190-208 enhances axonal growth and increases the number of axons per neuron, potentially demonstrating intrinsic axonal mechanisms. It may also be employed for ischemic protection during endovascular repair of intracranial aneurysms. |
| Targets(IC50) | Others |
| In vitro | Tat-peptide 190-208, when applied at concentrations of 10 μ M and 20 μ M for 24 hours, enhances axon length in isolated DRG cultures at 10 μ M and in iMotor neurons at 20 μ M. Additionally, a 10 μ M concentration of Tat-peptide 190-208 over 3 days increases the total number of axons extending from each neuron. |

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