

Tat-QFNP12 TFA

Chemical Properties

CAS No. :

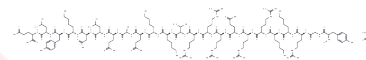
Formula: C130H225N47O35.XCF3COOH

Molecular Weight: 3006.47

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-QFNP12 is a peptide that combines a transcriptional transactivator (Tat) transmembrane domain with an inhibitor targeting the interaction between N-Myc downstream regulated gene 2 (NDRG2) and protein phosphatase Mg²⁺/Mn²⁺ dependent 1A (PPM1A). This compound effectively mitigates blood-brain barrier endothelial tight junction disruption caused by elevated levels of matrix metalloproteinase-9 (MMP-9), alleviates cerebral edema, and promotes spontaneous activity along with symmetric limb movement in a mouse model of subarachnoid hemorrhage induced by endovascular puncture. These benefits are observed at a dosage of 20 mg/kg.

Solubility Information

Solubility

H₂O: Soluble
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3326 mL	1.6631 mL	3.3262 mL
5 mM	0.0665 mL	0.3326 mL	0.6652 mL
10 mM	0.0333 mL	0.1663 mL	0.3326 mL
50 mM	0.0067 mL	0.0333 mL	0.0665 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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