

TAT-NEP1-40

Chemical Properties

CAS No. :

Formula: C268H438N88O77

Molecular Weight: 6124.89

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-NEP1-40, a blood-brain barrier (BBB) permeable peptide, confers protection to PC12 cells against oxygen and glucose deprivation (OGD) while promoting neurite outgrowth. Furthermore, it enhances neurologic outcomes post-ischemia by mitigating apoptosis in affected cerebral regions. This compound holds potential for central nervous system (CNS) injury research, including studies on axonal regeneration and post-stroke functional recovery [1].
Targets(IC50)	Apoptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.1633 mL	0.8163 mL	1.6327 mL
5 mM	0.0327 mL	0.1633 mL	0.3265 mL
10 mM	0.0163 mL	0.0816 mL	0.1633 mL
50 mM	0.0033 mL	0.0163 mL	0.0327 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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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481