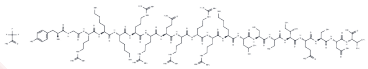
Data Sheet (Cat.No.T13112L)

TargetMol

Tat-NR2B9c TFA

Chemical Properties



CAS No. : 1834571-04-8

Formula: C107H189F3N42O32

Molecular Weight: 2632.946

Storage: Keep away from moisture
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-NR2B9c TFA is a 20-aa peptide, and acts as an inhibitor of postsynaptic density-95 (PSD-95)(EC50 of 6.7 nM for PSD-95d2), and possesses neuroprotective efficacy.
Targets(IC50)	Others,NO Synthase,iGluR

Solubility Information

Solubility	H2O: 50 mg/mL (18.99 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.3798 mL	1.899 mL	3.798 mL
5 mM	0.076 mL	0.3798 mL	0.7596 mL
10 mM	0.038 mL	0.1899 mL	0.3798 mL
50 mM	0.0076 mL	0.038 mL	0.076 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.

Reference

Cui H, et al. PDZ protein interactions underlying NMDA receptor-mediated excitotoxicity and neuroprotection by PSD-95 inhibitors. J Neurosci. 2007 Sep 12;27(37):9901-15.
Fan J, et al. P38 MAPK is involved in enhanced NMDA receptor-dependent excitotoxicity in YAC transgenic mouse model of Huntington disease. Neurobiol Dis. 2012 Mar;45(3):999-1009.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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