Data Sheet (Cat.No.TP2162L)

TargetMol

D-JBD19 TFA (954134-42-0 free base)

Chemical Properties

CAS No. :

Formula: C101H165F3N32O30

Molecular Weight: 2364.58

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	D-JBD19 TFA is a non-permeable peptide with neuroprotective effects.
Targets(IC50)	Others
In vitro	D-JBD19 is a non-permeable peptide corresponding to dJNKi peptide [1].
In vivo	As compared with D-JNKI1, neuroprotective effects of D-JBD19 against middle cerebral artery occlusion. 15.7 ng of either D-JBD19 or D-JNKI1 or 1570 ng of D-JBD19 are injected i.c.v. just after the ischemia. Animals were killed 24 h later. 100 times more D-JBD19 is needed to provide protection than with D-JNKI1 [2].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4229 mL	2.1145 mL	4.2291 mL
5 mM	0.0846 mL	0.4229 mL	0.8458 mL
10 mM	0.0423 mL	0.2115 mL	0.4229 mL
50 mM	0.0085 mL	0.0423 mL	0.0846 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

Cardozo AK, et al. Cell-permeable peptides induce dose- and length-dependent cytotoxic effects. Biochim Biophys Acta. 2007 Sep;1768(9):2222-34.

Vaslin A, et al. Excitotoxicity-induced endocytosis mediates neuroprotection by TAT-peptide-linked JNK inhibitor. J Neurochem. 2011 Dec;119(6):1243-52.

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