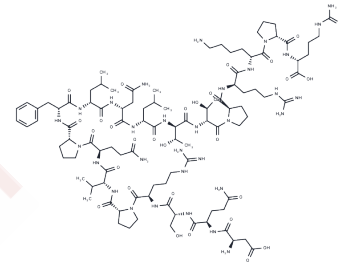


## D-JBD19

## Chemical Properties

CAS No. :	954134-42-0
Formula:	C99H164N32O28
Molecular Weight:	2250.597
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	D-JBD19 [D-JNKI1-TAT (residues 153-163)] is a non-permeable peptide that offers neuroprotective effects.
Targets(IC50)	Others,JNK
In vitro	D-JBD19 is a non-permeable peptide, analogous to the dJNKi peptide [1].
In vivo	Compared to D-JNKI1, D-JBD19 demonstrates neuroprotective effects following middle cerebral artery occlusion. A dose of 15.7 ng of either D-JBD19 or D-JNKI1, or alternatively, 1570 ng of D-JBD19, was administered intracerebroventricularly immediately after ischemia onset. The animals were euthanized 24 hours post-injection. Notably, D-JBD19 requires a 100-fold higher dosage to achieve similar protective efficacy as D-JNKI1 [2].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4443 mL	2.2216 mL	4.4433 mL
5 mM	0.0889 mL	0.4443 mL	0.8887 mL
10 mM	0.0444 mL	0.2222 mL	0.4443 mL
50 mM	0.0089 mL	0.0444 mL	0.0889 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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