

## D-JBD19

Cat. No.:	HY-P2243
CAS No.:	954134-42-0
Molecular Formula:	C <sub>99</sub> H <sub>164</sub> N <sub>32</sub> O <sub>28</sub>
Molecular Weight:	2250.56
Sequence:	Asp-Gln-Ser-Arg-Pro-Val-Gln-Pro-Phe-Leu-Asn-Leu-Thr-Thr-Pro-Arg-Lys-Pro-Arg
Sequence Shortening:	DQSRPVQPFLNLTPRKPR
Target:	Others
Pathway:	Others
Storage:	Sealed storage, away from moisture and light Powder -80°C 2 years -20°C 1 year

\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

### BIOLOGICAL ACTIVITY

Description	D-JBD19 is a non-permeable peptide <sup>[1]</sup> . D-JBD19 has neuroprotective effects <sup>[2]</sup> .
In Vitro	D-JBD19 is a non-permeable cargo corresponding to dJNKi peptide <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	Neuroprotective effects of D-JBD19 against middle cerebral artery occlusion (MCAO) as compared with D-JNKI1. 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 <sup>[2]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Cardozo AK, et al. Cell-permeable peptides induce dose- and length-dependent cytotoxic effects. *Biochim Biophys Acta*. 2007 Sep;1768(9):2222-34.
- [2]. Vaslin A, et al. Excitotoxicity-induced endocytosis mediates neuroprotection by TAT-peptide-linked JNK inhibitor. *J Neurochem*. 2011 Dec;119(6):1243-52.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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