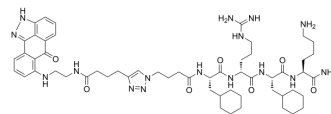


JNK-IN-12

Cat. No.:	HY-155077
Molecular Formula:	C ₅₆ H ₈₂ N ₁₆ O ₇
Molecular Weight:	1091.35
Target:	JNK
Pathway:	MAPK/ERK Pathway
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	JNK-IN-12 (compound P2) is a mitochondrial-targeted JNK inhibitor (IC ₅₀ =66.3 nM), consisting of a mitochondrial-specific cell-penetrating peptide and a specific inhibitor of JNK, SP600125 (HY-12041). JNK-IN-12 doesn't inhibit nuclear JNK signaling, but does inhibit mitochondrial JNK phosphorylation. JNK-IN-12 helps to improve the Parkinson's disease (PD) both in vitro and in vivo ^[1] .
IC ₅₀ & Target	IC ₅₀ : 66.3 nM (JNK) ^[1]

REFERENCES

[1]. Zhou Z, et al. Design and Synthesis of a Mitochondrial-Targeted JNK Inhibitor and Its Protective Effect on Parkinson's Disease Phenotypes. *Chembiochem*. 2023 Jul 3;24(13):e202200748.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA