

JNK-IN-12

## Chemical Properties

CAS No. :

Formula: C56H82N16O7

Molecular Weight: 1091.35

Storage: 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	JNK-IN-12 (compound P2) is a mitochondrial-targeted JNK inhibitor with an IC50 value of 66.3 nM, consisting of a mitochondrial-specific cell-penetrating peptide linked to SP600125, a selective JNK inhibitor. It selectively impedes mitochondrial JNK phosphorylation without inhibiting nuclear JNK signaling and has shown efficacy in ameliorating Parkinson's disease (PD) symptoms in both in vitro and in vivo studies [1].
Targets(IC50)	JNK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9163 mL	4.5815 mL	9.163 mL
5 mM	0.1833 mL	0.9163 mL	1.8326 mL
10 mM	0.0916 mL	0.4581 mL	0.9163 mL
50 mM	0.0183 mL	0.0916 mL	0.1833 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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