

JIP-1 (153-163)

Chemical Properties

CAS No.:	438567-88-5
Formula:	C ₆₁ H ₁₀₄ N ₂₀ O ₁₄
Molecular Weight:	1341.6
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Peptide inhibitor of c-Jun N-terminal kinase (JNK), based on residues 153-163 of JNK-interacting protein-1 (JIP-1). Binds to JNK with affinity in the micromolar range and minimally inhibits p38 and ERK.
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Solubility Information

Solubility	water: 1 mg/mL (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.745 mL	3.727 mL	7.454 mL
5 mM	0.149 mL	0.745 mL	1.491 mL
10 mM	0.075 mL	0.373 mL	0.745 mL
50 mM	0.015 mL	0.075 mL	0.149 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Barr et al (2002) Identification of the critical features of a small peptide inhibitor of JNK activity. J.Biol.Chem. 277 10987 PMID:

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