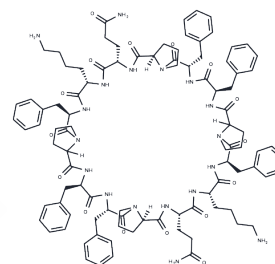


187-1, N-WASP inhibitor

Chemical Properties

CAS No. :	380488-27-7
Formula:	C ₉₆ H ₁₂₂ N ₁₈ O ₁₆
Molecular Weight:	1784.13
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	Inhibits neural Wiskott-Aldrich syndrome protein (N-WASP) by stabilizing the autoinhibited state of the protein. Blocks phosphatidylinositol 4,5-bisphosphate (PIP ₂)-stimulated actin assembly (IC ₅₀ ~ 2 μM) but does not directly inhibit actin polymerization.
Targets(IC ₅₀)	Arp2/3 Complex

Solubility Information

Solubility	H ₂ O: 2 mg/mL (1.12 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5605 mL	2.8025 mL	5.605 mL
5 mM	0.1121 mL	0.5605 mL	1.121 mL
10 mM	0.056 mL	0.2802 mL	0.5605 mL
50 mM	0.0112 mL	0.056 mL	0.1121 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

Suetsugu et al (2001) Identification of another actin-related (Arp) 2/3 complex binding site in neural Wiskott-Aldrich syndrome protein (N-WASP) that complements actin polymerization induced by the Arp2/3 complex activating (VCA) domain of N-WASP. J.Biol.Chem. 276 33175 PMID:

Prehoda and Lim (2002) How signaling proteins integrate multiple inputs: a comparison of N-WASP and cdk2. Curr.Opin.Cell Biol. 14 149 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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