

187-1, N-WASP inhibitor TFA

Chemical Properties

CAS No. :

Formula: C98H123F3N18O18

Molecular Weight: 1898.13

Keep away from moisture

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	187-1, N-WASP Inhibitor TFA, a 14-amino acid cyclic peptide, serves as an allosteric inhibitor of the neural Wiskott-Aldrich syndrome protein (N-WASP). This compound effectively suppresses actin assembly triggered by phosphatidylinositol 4,5-bisphosphate (PIP2), exhibiting a potent inhibitory concentration (IC 50) of 2 μ M. Furthermore, 187-1, N-WASP Inhibitor TFA inhibits the activation of the Arp2/3 complex by N-WASP, maintaining the protein in its autoinhibited state, ensuring the prevention of its activation.
Targets(IC50)	Arp2/3 Complex

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5268 mL	2.6342 mL	5.2683 mL
5 mM	0.1054 mL	0.5268 mL	1.0537 mL
10 mM	0.0527 mL	0.2634 mL	0.5268 mL
50 mM	0.0105 mL	0.0527 mL	0.1054 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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