

Lyn peptide inhibitor acetate

Chemical Properties

CAS No. :

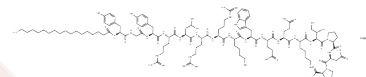
Formula: C117H188N30O26

Molecular Weight: 2430.98

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	Lyn peptide inhibitor acetate is a potent and cell-permeable inhibitor of Lyn-coupled IL-5 receptor signaling pathway, while keeping other signals intact. Lyn peptide inhibitor blocks Lyn activation and inhibits the binding of Lyn tyrosine kinase to β c subunit of IL-3/GM-CSF/IL-5 receptors. Lyn peptide inhibitor can be used for study of asthma, allergic, and other eosinophilic disorders.
Targets(IC50)	IL Receptor

Solubility Information

Solubility	H2O: 5 mM, Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4114 mL	2.0568 mL	4.1136 mL
5 mM	0.0823 mL	0.4114 mL	0.8227 mL
10 mM	0.0411 mL	0.2057 mL	0.4114 mL
50 mM	0.0082 mL	0.0411 mL	0.0823 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

Adachi et al (1999) The mapping of the Lyn kinase binding site of the common β subunit of IL-3/granulocyte-macrophage colony-stimulating factor/IL-5 receptor. J.Immunol. 162 1496 PMID:

Adachi et al (1999) A novel lyn-binding peptide inhibitor blocks eosinophil differentiation, survival, and airway eosinophilic inflammation. J.Immunol. 163 939 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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