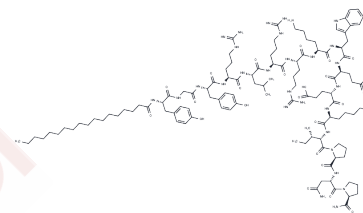


Lyn peptide inhibitor

Chemical Properties

CAS No. :	222018-18-0
Formula:	C115H184N30O24
Molecular Weight:	2370.91
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	Cell-permeable inhibitor of Lyn-dependent effects of the IL-5 receptor. Blocks binding of Lyn tyrosine kinase to βc subunit of IL-3/GM-CSF/IL-5 receptors, blocking Lyn activation. Inhibits IL-5 receptor-mediated eosinophil differentiation and survival in vitro. Inhibits airway eosinophilic inflammation in mouse model of asthma.
Targets(IC50)	Interleukin,Src

Solubility Information

Solubility	H2O: 10 mg/mL (4.22 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	0.4218 mL	2.1089 mL	4.2178 mL
5 mM	0.0844 mL	0.4218 mL	0.8436 mL
10 mM	0.0422 mL	0.2109 mL	0.4218 mL
50 mM	0.0084 mL	0.0422 mL	0.0844 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481