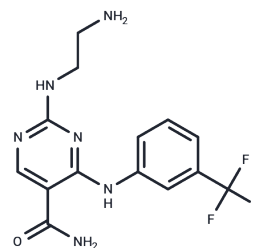


Syk Inhibitor II

Chemical Properties

CAS No. :	726695-51-8
Formula:	C ₁₄ H ₁₅ F ₃ N ₆ O
Molecular Weight:	340.3
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	Syk inhibitor II, a cell-permeable, ATP-competitive, pyrimidine-carboxamide compound, selectively and reversibly inhibits Syk (IC ₅₀ = 41 nM).
Targets(IC ₅₀)	5-HT Receptor, Syk
In vitro	In mice, Syk inhibitor II prevents FcεRI-mediated 5-HT release in RBL-2H3 cells in vitro (IC ₅₀ = 460 nM) and inhibits passive cutaneous anaphylaxis reactions (ID ₅₀ = 13.2 mg/kg, s.c.).

Solubility Information

Solubility	DMSO: 100 mg/mL (293.86 mM), Sonication is recommended. H ₂ O: 25 mg/mL (73.46 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	2.9386 mL	14.6929 mL	29.3858 mL
5 mM	0.5877 mL	2.9386 mL	5.8772 mL
10 mM	0.2939 mL	1.4693 mL	2.9386 mL
50 mM	0.0588 mL	0.2939 mL	0.5877 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

Hisamichi H,etal.Synthetic studies on novel Syk inhibitors. Part 1: Synthesis and structure-activity relationships of pyrimidine-5-carboxamide derivatives.Bioorg Med Chem. 2005 Aug 15;13(16):4936-51.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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