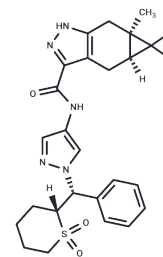


GNE-4997

Chemical Properties

CAS No. : 1705602-02-3
 Formula: C₂₅H₂₇F₂N₅O₃S
 Molecular Weight: 515.58
 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	GNE-4997 is a potent and selective inhibitor of the interleukin-2-inducible T-cell kinase (K _i : 0.09 nM). The correlation between the basicity of solubilizing elements in GNE-4997 and off-target antiproliferative effects reduces cytotoxicity.
Targets(IC50)	Others, Tyrosine Kinases
In vitro	GNE-4997 inhibits PLC-γ phosphorylation in T-cell receptor-stimulated Jurkat cells (IC ₅₀ : 4 nM).

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9396 mL	9.6978 mL	19.3956 mL
5 mM	0.3879 mL	1.9396 mL	3.8791 mL
10 mM	0.194 mL	0.9698 mL	1.9396 mL
50 mM	0.0388 mL	0.194 mL	0.3879 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

Burch JD, et al. Tetrahydroindazoles as Interleukin-2 Inducible T-Cell Kinase Inhibitors. Part II. Second-Generation Analogues with Enhanced Potency, Selectivity, and Pharmacodynamic Modulation in Vivo. J Med Chem. 2015 May 14;58(9):3806-16.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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