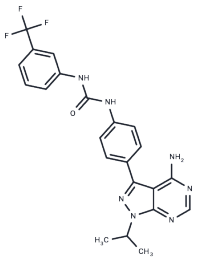
Data Sheet (Cat.No.T22552L)

TargetMol

AD57

Chemical Properties



CAS No. : 1093380-42-7

Formula: C22H20F3N7O

Molecular Weight: 455.44

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	AD57 is a potent inhibitor of both c-Src and Abl with IC50 of 0.025 μM and 0.041 μM, respectively.
Targets(IC50)	Raf,c-RET,Bcr-Abl,S6 Kinase,Src

Solubility Information

Solubility	DMSO: 55 mg/mL (120.76 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (4.39 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1957 mL	10.9784 mL	21.9568 mL
5 mM	0.4391 mL	2.1957 mL	4.3914 mL
10 mM	0.2196 mL	1.0978 mL	2.1957 mL
50 mM	0.0439 mL	0.2196 mL	0.4391 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

Dar AC, Lopez MS, Shokat KM. Small molecule recognition of c-Src via the Imatinib-binding conformation. Chem Biol. 2008 Oct 20;15(10):1015-22.

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