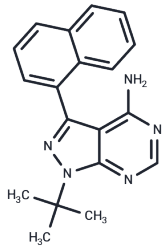
Data Sheet (Cat.No.T3935)

TargetMol

1-Naphthyl PP1

Chemical Properties



CAS No. : 221243-82-9

Formula: C19H19N5

Molecular Weight: 317.39

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	1-Naphthyl PP1 (1-NA-PP 1) is a selective Src inhibitor, targeting v-Src and c-Fyn, c-Abl, CDK2, and CAMK II with IC50 values of 1.0, 0.6, 0.6, 18, and 22 μM, respectively.
Targets(IC50)	Serine/threonin kinase,Src

Solubility Information

Solubility	DMSO: 12 mg/mL (37.81 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: 1 mg/mL (3.15 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	3.1507 mL	15.7535 mL	31.507 mL
5 mM	0.6301 mL	3.1507 mL	6.3014 mL
10 mM	0.3151 mL	1.5753 mL	3.1507 mL
50 mM	0.063 mL	0.3151 mL	0.6301 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

Tandon M, et al. New pyrazolopyrimidine inhibitors of protein kinase d as potent anticancer agents for prostate cancer cells. PLoS One. 2013 Sep 23;8(9):e75601.

Bishop AC, et al. A chemical switch for inhibitor-sensitive alleles of any protein kinase. Nature. 2000 Sep 21;407 (6802):395-401.

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