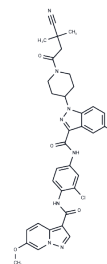


## Src Inhibitor 3

## Chemical Properties

CAS No. :	2380027-49-4
Formula:	C <sub>34</sub> H <sub>32</sub> ClFN <sub>8</sub> O <sub>4</sub>
Molecular Weight:	671.12
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	Src Inhibitor 3 is an effective inhibitor of c-terminal Src kinase (IC <sub>50</sub> <3 nM in CSK HTRF, <4 nM in Caliper assay). Src Inhibitor 3 increases T cell proliferation induced by T cell receptor signaling.
Targets(IC <sub>50</sub> )	Src
In vivo	Src Inhibitor 3 (oral) reduces inhibitory LCK phosphorylation in vivo and shows the ability to enhance T cell activation in response to antigen stimulation[1].

## Solubility Information

Solubility	DMSO: 95 mg/mL (141.55 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	1.490 mL	7.4502 mL	14.9005 mL
5 mM	0.298 mL	1.490 mL	2.9801 mL
10 mM	0.149 mL	0.745 mL	1.490 mL
50 mM	0.0298 mL	0.149 mL	0.298 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

O'Malley DP, et al. Discovery of Pyridazinone and Pyrazolo[1,5-a]pyridine Inhibitors of C-Terminal Src Kinase. ACS Med Chem Lett. 2019 Sep 25;10(10):1486-1491.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481