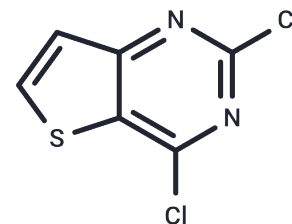


## JAK1/2/3 Inhibitor 1

## Chemical Properties

CAS No. :	16234-14-3
Formula:	C <sub>6</sub> H <sub>2</sub> Cl <sub>2</sub> N <sub>2</sub> S
Molecular Weight:	205.06
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	JAK1/2/3 Inhibitor 1 is a potent protein kinase inhibitor. JAK1/2/3 Inhibitor 1 has antitumor activity that inhibits the growth of a variety of cancer cell lines. It inhibits the growth of cancer cells by binding to the cancer cell backbone and inhibiting the production of new proteins.
Targets(IC50)	PKA

## Solubility Information

Solubility	DMSO: 60 mg/mL (292.6 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	4.8766 mL	24.3831 mL	48.7662 mL
5 mM	0.9753 mL	4.8766 mL	9.7532 mL
10 mM	0.4877 mL	2.4383 mL	4.8766 mL
50 mM	0.0975 mL	0.4877 mL	0.9753 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

Gillespie RJ, et al. Antagonists of the human adenosine A<sub>2A</sub> receptor. Part 2: Design and synthesis of 4-arylthieno [3,2-d]pyrimidine derivatives. Bioorg Med Chem Lett. 2008;18(9):2920-2923.

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