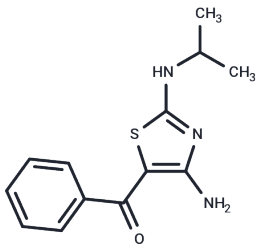
Data Sheet (Cat.No.T118066)

TargetMol

CDK9 inhibitor HH1

Chemical Properties



CAS No. : 204188-41-0

Formula: C13H15N3OS

Molecular Weight: 261.34

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	CDK9 inhibitor HH1 (8019-9719) is an inhibitor of the human CDK2-cyclin A2 complex with an IC50 value of 2 μM.
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 50 mg/mL (191.32 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 (3.83 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	3.8264 mL	19.1322 mL	38.2643 mL
5 mM	0.7653 mL	3.8264 mL	7.6529 mL
10 mM	0.3826 mL	1.9132 mL	3.8264 mL
50 mM	0.0765 mL	0.3826 mL	0.7653 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

Schonbrunn E, et al. Development of highly potent and selective diaminothiazole inhibitors of cyclin-dependent kinases. J Med Chem. 2013 May 23;56(10):3768-82.

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