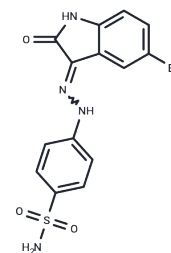


Cdk2 Inhibitor II

Chemical Properties

CAS No. :	222035-13-4
Formula:	C ₁₄ H ₁₁ BrN ₄ O ₃ S
Molecular Weight:	395.23
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	Cdk2 Inhibitor II is a selective and potent CDK2 inhibitor ₅₀ at 60 nM.
Targets(IC ₅₀)	CDK

Solubility Information

Solubility	DMSO: 50 mg/mL (126.51 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 (5.06 mM), Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5302 mL	12.6509 mL	25.3017 mL
5 mM	0.506 mL	2.5302 mL	5.0603 mL
10 mM	0.253 mL	1.2651 mL	2.5302 mL
50 mM	0.0506 mL	0.253 mL	0.506 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

S T Davis, et al. Prevention of chemotherapy-induced alopecia in rats by CDK inhibitors. Science. 2001 Jan 5;291 (5501):134-7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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