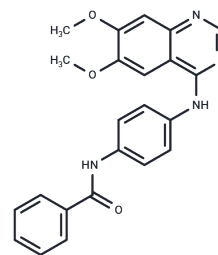


Aurora kinase inhibitor-2

Chemical Properties

CAS No. :	331770-21-9
Formula:	C ₂₃ H ₂₀ N ₄ O ₃
Molecular Weight:	400.43
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	Aurora kinase inhibitor-2 (IUN-70219) is a cell-permeable anilinoquinazoline that inhibit the activity of Aurora A (IC ₅₀ = 0.39 M).
Targets(IC ₅₀)	Aurora Kinase
In vitro	In MCF-7 cells, it blocks proliferation with an IC ₅₀ value of 1.25 M.

Solubility Information

Solubility	DMSO: 22.5 mg/mL (56.19 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 (4.99 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	2.4973 mL	12.4866 mL	24.9732 mL
5 mM	0.4995 mL	2.4973 mL	4.9946 mL
10 mM	0.2497 mL	1.2487 mL	2.4973 mL
50 mM	0.0499 mL	0.2497 mL	0.4995 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

Heron N M , Anderson M , Blowers D P , et al. SAR and inhibitor complex structure determination of a novel class of potent and specific Aurora kinase inhibitors.[J]. Bioorganic & Medicinal Chemistry Letters, 2006, 16(5):1320-1323.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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