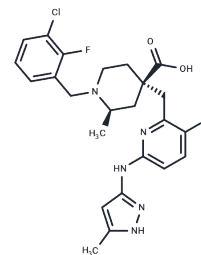


LY3295668

Chemical Properties

CAS No. : 1919888-06-4
 Formula: C₂₄H₂₆ClF₂N₅O₂
 Molecular Weight: 489.95
 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	LY3295668 (AK-01) is a selective inhibitor of Aurora A, with K _i values of 0.8 nM for Aurora A and 1038 nM for Aurora B.
Targets(IC ₅₀)	Aurora Kinase
In vitro	LY3295668 kills Rb-deficient cancer cells with minimal effects on normal cells[1].

Solubility Information

Solubility	DMSO: 90 mg/mL (183.69 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: 3.3 mg/mL (6.74 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	2.041 mL	10.2051 mL	20.4102 mL
5 mM	0.4082 mL	2.041 mL	4.082 mL
10 mM	0.2041 mL	1.0205 mL	2.041 mL
50 mM	0.0408 mL	0.2041 mL	0.4082 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

Gong X, et al. Aurora-A kinase inhibition is synthetic lethal with loss of the RB1 tumor suppressor gene. *Cancer Discov.* 2018 Oct 29. pii: CD-18-0469.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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