

SP-146

Chemical Properties

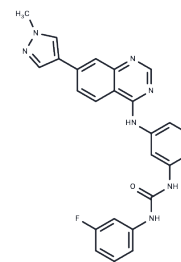
CAS No. :

Formula: C₂₅H₂₀N₇O

Molecular Weight: 453.47

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	SP-146 is a selective, potent and non-ATP-competitive Aurora B inhibitor(IC ₅₀ : 0.316 nM).
Targets(IC ₅₀)	Aurora Kinase

Solubility Information

Solubility	DMSO: 91 mg/mL (200.67 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	2.2052 mL	11.0261 mL	22.0522 mL
5 mM	0.441 mL	2.2052 mL	4.4104 mL
10 mM	0.2205 mL	1.1026 mL	2.2052 mL
50 mM	0.0441 mL	0.2205 mL	0.441 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

Lakkaniga R , Zhang L , Belachew B , et al. Discovery of SP-96, the first non-ATP-competitive Aurora Kinase B inhibitor, for reduced myelosuppression[J]. European Journal of Medicinal Chemistry, 2020, 203:112589.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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