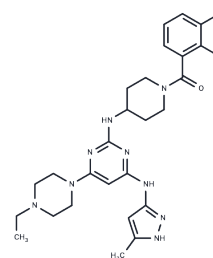


6K465

Chemical Properties

CAS No. :	2702965-27-1
Formula:	C ₂₆ H ₃₃ ClFN ₉ O
Molecular Weight:	542.05
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	6K465 is a novel and potent small molecule inhibitor based on a pyrimidine scaffold that selectively targets Aurora A kinase. 6K465 demonstrates superior ability to reduce the levels of the c-MYC and N-MYC oncoproteins compared to the established inhibitor alisertib; in a comprehensive analysis of its antiproliferative effects, the sensitivities of various small cell lung cancer (SCLC) and breast cancer cell lines to 6K465 were strongly correlated with the baseline protein expression levels of c-MYC and/or N-MYC.
Targets(IC50)	Aurora Kinase, c-Myc

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8448 mL	9.2242 mL	18.4485 mL
5 mM	0.369 mL	1.8448 mL	3.6897 mL
10 mM	0.1845 mL	0.9224 mL	1.8448 mL
50 mM	0.0369 mL	0.1845 mL	0.369 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

Chang C P, et al. Discovery of a long half-life AURKA inhibitor to treat MYC-amplified solid tumors as a monotherapy and in combination with everolimus[J]. Molecular Cancer Therapeutics, 2024.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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