

AUR1545

Chemical Properties

CAS No. : 3031593-79-7

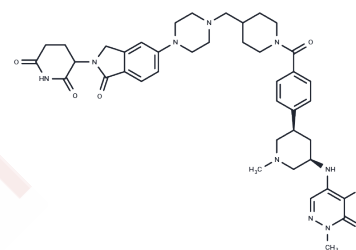
Formula: C41H50BrN9O5

Molecular Weight: 828.8

Store at low temperature

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	AUR1545 is a selective KAT2A/KAT2B degradator exhibiting inhibitory activity against cancer models including AML, SCLC, and NEPC, and suppressing tumour growth in the NCI-H1048 xenograft model.
Targets(IC50)	Histone Acetyltransferase

Solubility Information

Solubility	DMSO: 80 mg/mL (96.53 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: 5 mg/mL (6.03 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	1.2066 mL	6.0328 mL	12.0656 mL
5 mM	0.2413 mL	1.2066 mL	2.4131 mL
10 mM	0.1207 mL	0.6033 mL	1.2066 mL
50 mM	0.0241 mL	0.1207 mL	0.2413 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

Kimberly S. Straley, et al. Abstract 5795: Potent and selective degradation of KAT2A and KAT2B induces profound cell state changes and inhibits growth of AML, SCLC and NEPC model systems. Cancer Res (2024) 84 (6_Supplement): 5795.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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