Data Sheet (Cat.No.T27723L)

TargetMol

KDM5-C49 HCl

Chemical Properties

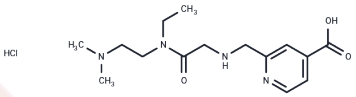
CAS No. :

Formula: C15H25ClN4O3

Molecular Weight: 344.84

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	KDM5-C49 HCl (KDOAM-20 hydrochloride) is a potent and selective inhibitor of KDM5 demethylase. KDM5-C49 HCL(1596348-16-1 Free base) is a candidate compound for the treatment of cancer.
Targets(IC50)	Histone Demethylase

Solubility Information

Solubility	DMSO: 9 mg/mL (26.1 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8999 mL	14.4995 mL	28.999 mL
5 mM	0.580 mL	2.8999 mL	5.7998 mL
10 mM	0.290 mL	1.4499 mL	2.8999 mL
50 mM	0.058 mL	0.290 mL	0.580 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

Horton JR, et al. Structural Basis for KDM5A Histone Lysine Demethylase Inhibition by Diverse Compounds. Cell Chem Biol. 2016;23(7):769-781.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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