# Data Sheet (Cat.No.T27723L)

TargetMol

## KDM5-C49 HCl

### Chemical Properties

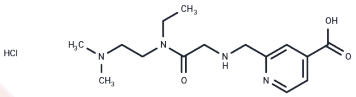
CAS No. :

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.<br>(< 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.

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