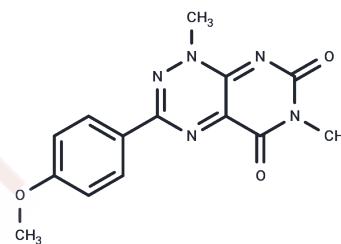


KDM4C-IN-1

Chemical Properties

CAS No. : 52348-60-4
 Formula: C₁₅H₁₄N₄O₃
 Molecular Weight: 298.3
 Storage: Store at low temperature
 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	KDM4C-IN-1 is a selective and potent KDM4C inhibitor (IC ₅₀ : 8 nM) with potential anticancer activity. KDM4C-IN-1 inhibits the growth of HepG2 and A549 cells, and can be used for the study of leukaemia.
Targets(IC ₅₀)	Histone Demethylase

Solubility Information

Solubility DMSO: 30.13 mg/mL (101.01 mM), Sonication and heating are recommended.
 (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3523 mL	16.7616 mL	33.5233 mL
5 mM	0.6705 mL	3.3523 mL	6.7047 mL
10 mM	0.3352 mL	1.6762 mL	3.3523 mL
50 mM	0.067 mL	0.3352 mL	0.6705 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

Vatroslav Letfus, et al. Rational design, synthesis and biological profiling of new KDM4C inhibitors. Bioorg Med Chem. 2020 Jan 1;28(1):115128.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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