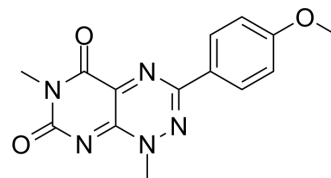


KDM4C-IN-1

Cat. No.:	HY-146148		
CAS No.:	52348-60-4		
Molecular Formula:	C ₁₄ H ₁₃ N ₅ O ₃		
Molecular Weight:	299.28		
Target:	Histone Demethylase		
Pathway:	Epigenetics		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 3 mg/mL (10.02 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.3414 mL	16.7068 mL	33.4135 mL
	5 mM	0.6683 mL	3.3414 mL	6.6827 mL
	10 mM	0.3341 mL	1.6707 mL	3.3414 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description	KDM4C-IN-1 (Compound 4d) is a potent KDM4C inhibitor with an IC ₅₀ of 8 nM. KDM4C-IN-1 inhibits the growth of HepG2 and A549 cells with IC ₅₀ s of 0.8 μM and 1.1 μM, respectively ^[1] .
IC ₅₀ & Target	KDM4

REFERENCES

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

Caution: Product has not been fully validated for medical applications. For research use only.

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