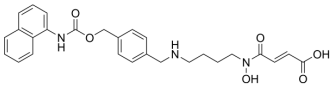
JHDM-IN-1

Cat. No.:	HY-153608
CAS No.:	1310809-17-6
Molecular Formula:	$C_{27}H_{29}N_3O_6$
Molecular Weight:	491.54
Target:	Histone Demethylase
Pathway:	Epigenetics

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



BIOLOGICAL ACTIVITY

Description	JHDM-IN-1 (Compound 1) is a Jumonji C domain-containing HDMs (JHDM) inhibitor with IC_{50}s of 3.4, 4.3, 5.9, 10 and 43 μM against JMJD2C, JMJD2A, JMJD2E, PHF8 and JMJD3, respectively[1].
IC_{50} & Target	IC50: 3.4 μM (JMJD2C), 4.3 μM (JMJD2A), 5.9 μM (JMJD2E), 10 μM (PHF8), 22 μM (FIH), 31 μM (PHD3), 43 μM (JMJD3), 54 μM (PHD1), 83 μM (PHD2), 620 μM (LSD1)[1]
In Vitro	JHDM-IN-1 (Compound 1) also inhibits FIH, PHD3, PHD1, PHD2 and LSD1 with IC_{50}s of 22, 31, 54, 83 and 620 μM, respectively [1]. JHDM-IN-1 (0-100 μM) does not inhibit KYSE150 cell growth after treatment for 48 h[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Luo X, et al. A selective inhibitor and probe of the cellular functions of Jumonji C domain-containing histone demethylases. J Am Chem Soc. 2011 Jun 22;133(24):9451-6.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA