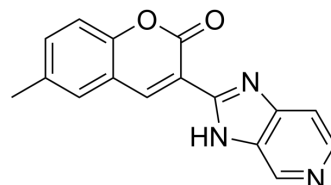


## JMJD6-IN-1

Cat. No.:	HY-139434
CAS No.:	899548-78-8
Molecular Formula:	C <sub>16</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	277.28
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMF : 10 mg/mL (36.06 mM; Need ultrasonic)  
DMSO : 5 mg/mL (18.03 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	3.6065 mL	18.0323 mL	36.0646 mL
	5 mM	0.7213 mL	3.6065 mL	7.2129 mL	
	10 mM	0.3606 mL	1.8032 mL	3.6065 mL	

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

### BIOLOGICAL ACTIVITY

#### Description

JMJD6-IN-1 (Compound 1-3) is a JMJD6 inhibitor, with an inhibition rate of 82% at 10 μM. JMJD6-IN-1 inhibits MCF-7 and HCC4006 cell proliferation with IC<sub>50</sub>s of 19.2 μM and 25.2 μM. JMJD6-IN-1 can be used for research of cancers<sup>[1]</sup>.

### REFERENCES

[1]. Liu Wen, et al. Benzopyran -2- ketone compounds are as JMJD6 inhibitor and purposes. Patent. CN108218854 A.

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

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