

Hello Bio, Inc.  
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500  
F. 609-228-4994

customercare-usa@hellobio.com



## DATASHEET

JIB 04

### Product overview

<b>Name</b>	JIB 04
<b>Cat No</b>	HB1410
<b>Alternative names</b>	JIB-04
<b>Biological action</b>	Inhibitor
<b>Purity</b>	>99%
<b>Description</b>	Jumonji histone demethylase inhibitor

### Biological Data

<b>Biological description</b>	Jumonji histone demethylase inhibitor. Inhibits JARID1A, JMJD2E/2B/2A/D3/2C (IC <sub>50</sub> values are 230, 340, 435, 445, 855 and 1100 nM respectively). Shows little activity at PHD2 (IC <sub>50</sub> = > 6 μM) and TET1. Shows anti-cancer actions.
-------------------------------	--

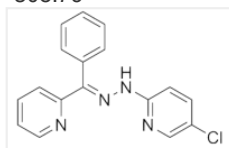
### Solubility & Handling

<b>Storage instructions</b>	+4 °C
<b>Solubility overview</b>	Soluble in DMSO (100mM)
<b>Important</b>	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

### Chemical Data

<b>Chemical name</b>	5-Chloro-2-[(E)-2-[phenyl(pyridin-2-yl)methylidene]hydrazin-1-yl]pyridine
<b>Molecular Weight</b>	308.76

**Chemical structure**



<b>Molecular Formula</b>	C <sub>17</sub> H <sub>13</sub> ClN <sub>4</sub>
<b>CAS Number</b>	199596-05-9
<b>PubChem identifier</b>	6519698
<b>SMILES</b>	C1C(C=C3)=CN=C3N/N=C(C2=CC=CC=C2)/C1=CC=CC=N1
<b>InChiKey</b>	YHHFKWKMXWRVTJ-OQKWZONESA-N

### References

**A small molecule modulates Jumonji histone demethylase activity and selectively inhibits cancer growth.**

Wang L *et al* (2013) Nat Commun 4

**PubMedID** [23792809](https://pubmed.ncbi.nlm.nih.gov/23792809/)

