

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

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

customer-care-usa@m2stage.hellobio.com



DATASHEET

JIB 04

Product overview

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

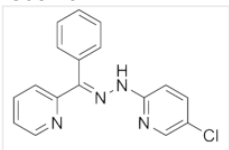
Biological Data

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

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

Chemical Data

Chemical name	5-Chloro-2-[(E)-2-[phenyl(pyridin-2-yl)methylidene]hydrazin-1-yl]pyridine
Molecular Weight	308.76
Chemical structure	
Molecular Formula	C ₁₇ H ₁₃ ClN ₄
CAS Number	199596-05-9
PubChem identifier	6519698
SMILES	<chem>C1C(C=C1)=CN=C3N/N=C(C2=CC=CC=C2)/C1=CC=CC=N1</chem>
InChiKey	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](#)

