

Datasheet for ABIN7233263

JIB-04



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1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: pan-JUMONJI histone demethylase inhibitor

Characteristics: A novel specific inhibitor of the Jumonji family of histone demethylases in vitro, in cancer cells and in tumors in vivo. IC50 = 230, 340, 435, 445, 855 and 1100 nM for JARID1A, JMJD2E, JMJD2B, JMJD2A, JMJD3 and JMJD2C respectively. Reduces tumor burden and prolongs life in a mouse model. Suppresses translation initiation and enhances mTOR inhibitor sensitivity. Inhibits the growth of temozolomide-resistant glioblastoma cells and crosses the blood brain barrier.

Purity: >98 %

Chemical Name: (E)-5-Chloro-2-(2-(phenyl(pyridine-2-yl)methylene)hydrazinyl)pyridine

Formula: C17H13ClN4

Permeability: Cell-permeable

Solubility: Soluble in DMSO (up to 30 mg/ml).

Target Details

Background: Epigenetics, Posttranslational modification, Protein demethylase, Cancer, mTOR, Chromatin

Molecular Weight: 308.76

CAS-No: 199596-05-9

Application Details

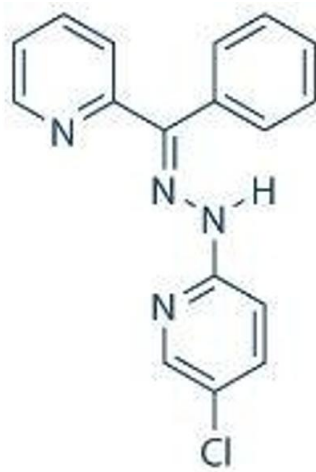
Restrictions: For Research Use only

Handling

Format: Powder

Storage: -20 °C

Images



Molecule

Image 1. /