

Datasheet for ABIN7233258

GSK-J1[Go to Product page](#)

1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: JMJ H3K27 Demethylase inhibitor (cell impermeable)

Characteristics: Potent and selective inhibitor of jumonji H3K27 histone demethylases JMJD3 and UTX (IC50 = 60 nM, human JMJD3). This is the first known inhibitor selective for the H3K27me3-specific JMJ subfamily which binds to the active catalytic site of the enzyme. The COOH group confers cell impermeability and as such is useful as a standard in in vitro assays. A cell permeable ethyl ester analog is also available.

Purity: >98 %

Chemical Name: N-[2-(2-Pyridinyl)-6-(1,2,4,5-tetrahydro-3H-3-benzazepin-3-yl)-4-pyrimidinyl]-β-alanine

Formula: C22H23N5O2

Permeability: Not-permeable

Solubility: Soluble in DMSO (up to 20 mg/ml).

Target Details

Background: Epigenetics, Protein demethylase, Posttranslational modification, Chromatin

Molecular Weight: 389.46

CAS-No: 1373422-53-7

Application Details

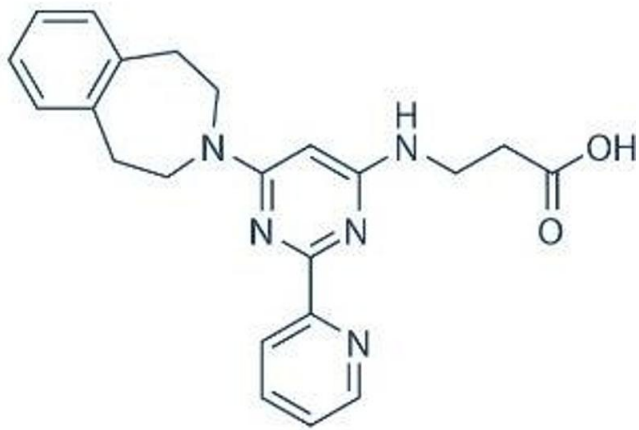
Restrictions: For Research Use only

Handling

Format: Powder

Storage: RT

Images



Molecule

Image 1. /