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Datasheet for ABIN7233273

PBIT

1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: JARID1 inhibitor

Characteristics: The JARID1 (Jumonji AT-Rich Interactive Domain 1) family of lysine demethylases demethylates the trimethylated lysine 27 in histone H3 (H3K4me3). PBIT is a potent and selective inhibitor of JARID1 (IC₅₀ = 3, 4.9 and 6 μM for JARID1B, 1A and 1C, respectively). Selective for JARID1 over UTX and JMJD3. Treatment of cells with PBIT inhibits the demethylation of H3K4me3. It inhibits proliferation of breast cancer cell lines expressing high levels of JARID1B1.

Purity: >98 %

Chemical Name: 2-(4-Methylphenyl)-1,2-benzisothiazol-3(2H)-one

Formula: C₁₄H₁₁NOS

Solubility: Soluble in DMSO (up to 24 mg/ml) or in Ethanol (up to 5 mg/ml)

Target Details

Background: Epigenetics,Proliferation,Protein demethylase,Vesicles,Cancer,Posttranslational modification,Chromatin

Molecular Weight: 241.31

CAS-No: 2514-30-9

Application Details

Restrictions: For Research Use only

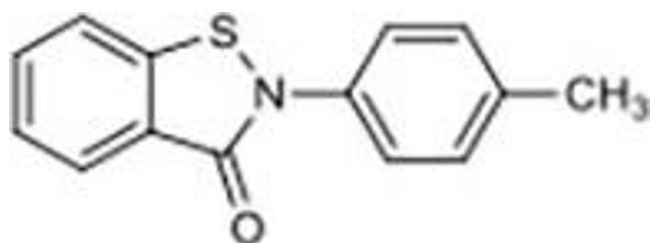
Handling

Format: Powder

Precaution of Use: GHS – Classification
Not a hazardous substance or mixture

Storage: -20 °C

Images



Molecule

Image 1. /