

Datasheet for ABIN7233289

SGI-1027[Go to Product page](#)

1 Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: DNA methyltransferase inhibitor

Characteristics: Potent and selective inhibitor of DNA methyl transferase inhibiting DNMT1, DNMT3A and DNMT3B with comparable potency (IC₅₀=12.5, 8.0 and 7.5 956M respectively). Treatment of various cancer cell lines with SGI-1027 results in selective degradation of DNMT1 (MG-132 sensitive) with minimal effect on DNMT3A and 3B at 2.5-5 μM. Prolonged treatment of RKO cells resulted in reexpression of silenced tumor suppressor genes. Synergizes with doxorubicin at growth inhibition in neuroblastoma cell lines. Disrupts the MKK3-MYC complex in cells and inhibits MYC transcriptional activity in colon and breast cancer cells.

Purity: >98 %

Chemical Name: N-[4-[(2-Amino-6-methyl-4-pyrimidinyl)amino]phenyl]-4-(4-quinolinylamino)benzamide

Formula: C₂₇H₂₃N₇O

Solubility: Soluble in DMSO (35 mg/ml)

Target Details

Background: Epigenetics,Chromatin,DNA Methyltransferase,Prions,Cancer,Bcl,Myc

Molecular Weight: 461.5

CAS-No: 1020149-73-8

Application Details

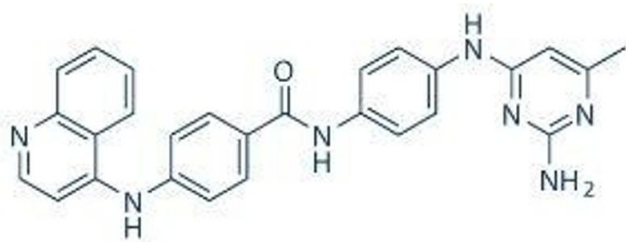
Restrictions: For Research Use only

Handling

Format: Powder

Storage: -20 °C

Images



Molecule

Image 1. /