

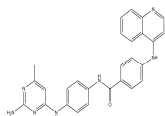
Product: SGI-1027

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

CATALOG #: 2726-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₇H₂₃N₇O

MOLECULAR WEIGHT: 461.52

CAS NUMBER: 1020149-73-8

APPEARANCE: Off-white solid

SOLUBILITY: DMSO (~20 mg/ml)

PURITY: ≥98%

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: SGI-1027 is a selective DNA methyltransferase (DNMT) inhibitor. Inhibits DNMT1, DNMT3A, and DNMT3B with IC₅₀ values of 6, 8, and 7.5 μM, respectively. Treatment of different cancer cell lines with SGI-1027 results in selective degradation of DNMT1 with minimal or no effects on DNMT3A and DNMT3B.

REFERENCES: Datta, J., *et al.* (2009). *Cancer Res.* **69**, 4277-4285.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

AMI-1 (Cat. No. 1943-5, 25)

Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)

5- BIX01294 (Cat. No. 1678-5, 25)

Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, 5)

EZSolution™ (+)-JQ1 (Cat. No. 2091-1)

3-Deazaneplanocin (Cat. No. 2060-250, 1000)

2'-Deoxy-5-fluorocytidine (Cat. No. 2387-50, 250)

Lomeguatrib (Cat. No. 2224-5, 25)

RG108 (Cat. No. 1679-10, 30)

UNC0638 (Cat. No. 1933-1, 5)

Zebularine (Cat. No. 2225-1, 5)

FOR RESEARCH USE ONLY! Not to be used on humans.