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## SGI-1027

产品编号: D50822

CAS: 1020149-73-8

分子式: C<sub>27</sub>H<sub>23</sub>N<sub>7</sub>O

纯度: ≥98%

InChi: InChI=1S/C<sub>27</sub>H<sub>23</sub>N<sub>7</sub>O/c1-17-16-25(34-27(28)30-17)32-20-10-12-21(13-11-20)33-26(35)18-6-8-19(9-7-18)31-24-14-15-29-23-5-3-2-4-22(23)24/h2-16H,1H3,(H,29,31)(H,33,35)(H3,28,30,32,34)

InChi Key: QSYLKMKIVWJAAK-UHFFFAOYSA-N

Smiles: CC1=CC(NC2C=CC(=CC=2)NC(=O)C2C=CC(=CC=2)NC2=CC=NC3=CC=CC=C23)=NC(N)=N1

外观: 固体粉末

作用通路: Apoptosis

溶解性: DMSO up to 50 mM

保存条件: Store in dry, dark place for one year.

产品介绍: SGI-1027 is a potent DNMT inhibitor, which reactivates tumor suppressor genes by blocking DNA methyltransferase 1 activity and inducing its degradation. Treatment of different cancer cell lines with SGI-1027 resulted in selective degradation of DNMT1 with minimal or no effects on DNMT3A and DNMT3B. At a concentration of 2.5 to 5 micromol/L (similar to that of decitabine), complete degradation of DNMT1 protein was achieved within 24 h without significantly affecting its mRNA level. SGI-1027 may have the potential for use in epigenetic cancer therapy.