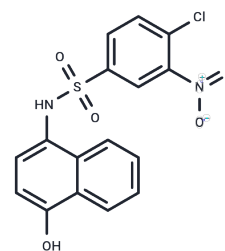


SW155246

Chemical Properties

CAS No. : 420092-79-1
 Formula: C₁₆H₁₁ClN₂O₅
 Molecular Weight: 378.79
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	SW155246 is a potent and selective inhibitor of DNMT1 (DNA methyltransferase 1; IC ₅₀ of 1.2 μM). SW155246 induces re-expression of the tumor suppressor gene RASSF1 in A549 cells.
Targets(IC ₅₀)	DNA Methyltransferase

Solubility Information

Solubility	DMSO: 50 mg/mL (132 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.640 mL	13.1999 mL	26.3999 mL
5 mM	0.528 mL	2.640 mL	5.280 mL
10 mM	0.264 mL	1.320 mL	2.640 mL
50 mM	0.0528 mL	0.264 mL	0.528 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Medina-Franco J , O Méndez-Lucio, Yoo J . Rationalization of Activity Cliffs of a Sulfonamide Inhibitor of DNA Methyltransferases with Induced-Fit Docking[J]. International Journal of Molecular Sciences, 2014, 15(2).
 Kilgore, J. A , Du, et al. Identification of DNMT1 selective antagonists using a novel scintillation proximity assay[J]. Journal of Biological Chemistry, 2013.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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