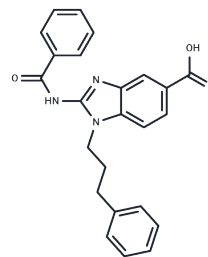


BRD9539

Chemical Properties

CAS No. : 1374601-41-8
 Formula: C₂₄H₂₁N₃O₃
 Molecular Weight: 399.44
 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	BRD9539 is an inhibitor of euchromatin histone methyltransferase 2 (EHMT2), also known as G9a, with an IC ₅₀ value of 6.3 μM
Targets(IC ₅₀)	Histone Methyltransferase
In vitro	BRD9539 is selective for G9a and PRC2 over SU39H1 and NDMT1 up to a concentration of 40 μM. It is more potent than BRD4770 in enzyme assays but has no activity in cell-based assays when used at concentrations of 5 and 10 μM.

Solubility Information

Solubility	DMSO: 1 mg/mL (2.5 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	2.5035 mL	12.5175 mL	25.035 mL
5 mM	0.5007 mL	2.5035 mL	5.007 mL
10 mM	0.2504 mL	1.2518 mL	2.5035 mL
50 mM	0.0501 mL	0.2504 mL	0.5007 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

Yuan Y , Wang Q , Paulk J , et al. A Small-Molecule Probe of the Histone Methyltransferase G9a Induces Cellular Senescence in Pancreatic Adenocarcinoma[J]. ACS Chemical Biology, 2012, 7(7):1152-1157.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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