

sAJM589

Chemical Properties

CAS No. : 2089-82-9

Formula: C₁₆H₁₀N₂O

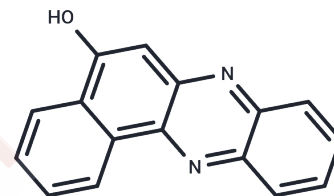
Molecular Weight: 246.26

Keep away from direct sunlight, Store at low temperature

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	sAJM589 is a Myc inhibitor that dose-dependently disrupts Myc-Max heterodimers, thereby decreasing Myc protein levels. Myc is a multifunctional nuclear phosphoprotein that plays a key role in cell cycle progression, apoptosis, and cellular transformation. sAJM589 inhibits the cellular proliferation of a variety of Myc-dependent cancer cell lines and the adherent, non-dependent growth of Raji cells' Growth.
Targets(IC50)	c-Myc
In vitro	sAJM589 inhibits cell proliferation of multiple Myc-dependent cancer cell lines and anchorage-independent growth of Raji cells; sAJM589 effectively disrupts Myc-Max heterodimers to reduce Myc protein levels in a dose-dependent manner with an IC50 of 1.8 μM. [1]

Solubility Information

Solubility	DMSO: 4 mg/mL (16.24 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	4.0607 mL	20.3037 mL	40.6075 mL
5 mM	0.8121 mL	4.0607 mL	8.1215 mL
10 mM	0.4061 mL	2.0304 mL	4.0607 mL
50 mM	0.0812 mL	0.4061 mL	0.8121 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

Choi SH, et al. Targeted Disruption of Myc-Max Oncoprotein Complex by a Small Molecule. ACS Chem Biol. 2017 Nov 17;12(11):2715-2719.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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