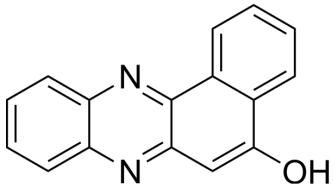
sAJM589

Cat. No.:	HY-122683
CAS No.:	2089-82-9
Molecular Formula:	$C_{16}H_{10}N_2O$
Molecular Weight:	246.26
Target:	c-Myc
Pathway:	Apoptosis
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 5 mg/mL (20.30 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

sAJM589 is a Myc inhibitor which potently disrupts the Myc-Max heterodimer with an IC_{50} of 1.8 μM[1].

IC_{50} & Target

IC50: 1.8 μM (Myc)[1]

In Vitro

sAJM589 potently disrupts the Myc-Max heterodimer to reduce Myc protein levels in a dose dependent manner, with an IC_{50} of 1.8 μM[1].

?sAJM589 suppresses cellular proliferation in diverse Myc-dependent cancer cell lines and anchorage independent growth of Raji cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Biochim Biophys Acta Gen Subj. 2022 Jan 20;130093.

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REFERENCES

[1]. 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.

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