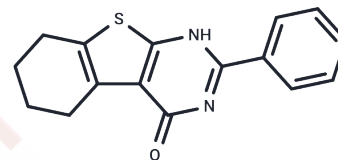


Antiproliferative agent-15

Chemical Properties

CAS No. :	19819-18-2
Formula:	C ₁₆ H ₁₄ N ₂ O ₂ S
Molecular Weight:	282.36
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	Antiproliferative agent-15 is a reagent with anticancer activity. Antiproliferative agent-15 showed antiproliferative activity against human colon cancer (HCT116 and HCT15) and brain cancer (LN-229 and GBM-10).
Targets(IC50)	Others
In vitro	Antiproliferative agent-15 shows antiproliferative activity against human colon (HCT116 and HCT15), brain (LN-229 and GBM-10) cancer cell lines, with IC50 values of 8.3 μM, 4.8 μM, 18.3 μM, and 12 μM, respectively[1].

Solubility Information

Solubility	DMSO: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5416 mL	17.7079 mL	35.4158 mL
5 mM	0.7083 mL	3.5416 mL	7.0832 mL
10 mM	0.3542 mL	1.7708 mL	3.5416 mL
50 mM	0.0708 mL	0.3542 mL	0.7083 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

Haneen Amawi, et al. Thienopyrimidine derivatives exert their anticancer efficacy via apoptosis induction, oxidative stress and mitotic catastrophe. Eur J Med Chem. 2017 Sep 29;138:1053-1065.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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