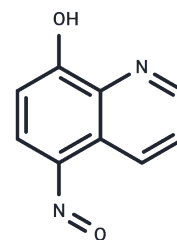


NSC 3852

Chemical Properties

CAS No. : 3565-26-2
Formula: C₉H₆N₂O₂
Molecular Weight: 174.16
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	NSC 3852 is a potent inhibitor of histone deacetylase.
Targets(IC50)	Apoptosis,HDAC,ROS

Solubility Information

Solubility	DMSO: 6.88 mg/mL (39.5 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	5.7418 mL	28.7092 mL	57.4185 mL
5 mM	1.1484 mL	5.7418 mL	11.4837 mL
10 mM	0.5742 mL	2.8709 mL	5.7418 mL
50 mM	0.1148 mL	0.5742 mL	1.1484 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

Jeannine S. Strobl, Christopher W. Seibert, Yunbo Li, Rana Nagarkatti, Sheila M. Mitchell, Alexa C. Rosypal, Dharmendar Rathore, and David S. Lindsay. Inhibition of Toxoplasma gondii and Plasmodium falciparum Infections in Vitro by NSC3852, a Redox Active Antiproliferative and Tumor Cell Differentiation Agent[J]. Journal of Parasitology, 2009, 95(1):p.215-223.

Su C, Cheng C, Rong Z, et al.Repurposing fluphenazine as an autophagy modulator for treating liver cancer. Heliyon.2023

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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