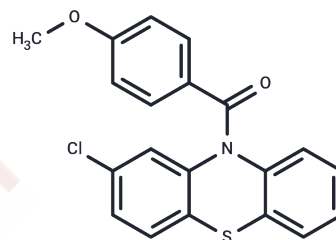


Tubulin inhibitor 6

Chemical Properties

CAS No. :	105925-39-1
Formula:	C ₂₀ H ₁₄ ClNO ₂ S
Molecular Weight:	367.85
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	Tubulin inhibitor 6 (iHAP1) is an inhibitor of tubulin and a potent inhibitor of multiple cancer cell lines.
Targets(IC50)	Microtubule Associated
In vitro	Tubulin inhibitor 6 exhibits submicromolar antiproliferative activity.

Solubility Information

Solubility	DMSO: 40 mg/mL (108.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 4 mg/mL (10.87 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7185 mL	13.5925 mL	27.185 mL
5 mM	0.5437 mL	2.7185 mL	5.437 mL
10 mM	0.2718 mL	1.3592 mL	2.7185 mL
50 mM	0.0544 mL	0.2718 mL	0.5437 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

Prinz H, et al. N-benzoylated phenoxazines and phenothiazines: synthesis, antiproliferative activity, and inhibition of tubulin polymerization. J Med Chem. 2011 Jun 23;54(12):4247-63.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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