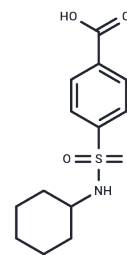


NSC23005

Chemical Properties

CAS No. : 6314-70-1
 Formula: C₁₃H₁₇NO₄S
 Molecular Weight: 283.34
 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	NSC23005 sodium is a p18INK inhibitor with potently promoted hematopoietic stem cell (HSC) expansion (ED50: 5.21 nM).
Targets(IC50)	CDK

Solubility Information

Solubility	DMSO: 45 mg/mL (158.82 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	3.5293 mL	17.6466 mL	35.2933 mL
5 mM	0.7059 mL	3.5293 mL	7.0587 mL
10 mM	0.3529 mL	1.7647 mL	3.5293 mL
50 mM	0.0706 mL	0.3529 mL	0.7059 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

Xie XQ, et,al. Discovery of novel INK4C small-molecule inhibitors to promote human and murine hematopoietic stem cell ex vivo expansion. Sci Rep. 2015 Dec 18;5:18115.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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