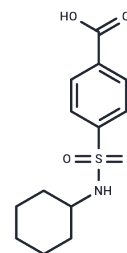


NSC23005

Chemical Properties

CAS No. : 6314-70-1
 Formula: C₁₃H₁₇NO₄S
 Molecular Weight: 283.34
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

| | |
|----------------------------|--|
| Description | NSC23005 sodium is a p18INK inhibitor with potently promoted hematopoietic stem cell (HSC) expansion (ED ₅₀ : 5.21 nM). |
| Targets(IC ₅₀) | 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) |
|------------|---|

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.

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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