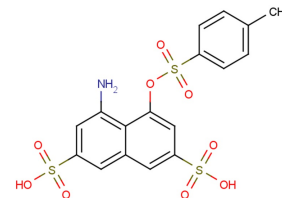


NSC16168

Chemical Properties

CAS No.: 6837-93-0
Formula: C₁₇H₁₅NO₉S₃
Molecular Weight: 473.5
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	NSC16168 inhibits DNA repair and potentiates CDDP efficacy in cancer. NSC16168 is a specific ERCC1-XPF inhibitor (IC ₅₀ : 0.42 μM).
Targets(IC ₅₀)	ERCC1-XPF: 0.42 μM

Solubility Information

Solubility	DMSO: 31.25 mg/mL (66.00 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.112 mL	10.56 mL	21.119 mL
5 mM	0.422 mL	2.112 mL	4.224 mL
10 mM	0.211 mL	1.056 mL	2.112 mL
50 mM	0.042 mL	0.211 mL	0.422 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Arora S, et al. Identification of small molecule inhibitors of ERCC1-XPF that inhibit DNA repair and potentiate cisplatin efficacy in cancer cells. *Oncotarget*. 2016 Nov 15;7(46):75104-75117.

Inhibitors · Natural Compounds · Compound Libraries

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