

NSC 80467

Chemical Properties

CAS No. : 101982-51-8

Formula: C₂₄H₂₂BrN₃O₅

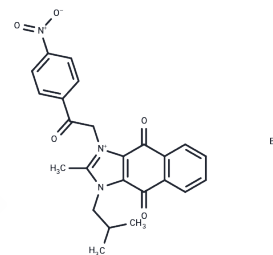
Molecular Weight: 512.35

Storage:

The compound is unstable in solution. Please use soon

Powder: -20°C for 3 years

Actual storage temperature shall be subject to the COA.



Biological Description

Description	NSC 80467 is a selective DNA-damaging agent that functions through survivin inhibition. NSC 80467 preferentially disrupts DNA synthesis, thereby inducing two hallmark DNA-damage markers, γ H2AX and pKAP1. NSC 80467 enables mechanistic investigation in to DNA replication stress and apoptosis-associated signaling pathways and serves as a biochemical tool for evaluating survivin-dependent cellular processes in oncology research.
Targets(IC50)	Survivin
In vitro	NSC 80467 (200 or 800 nM, 24 hours) can inhibit the expression of survivin in PC3 cells [1].

Solubility Information

Solubility	DMSO: 20.00 mg/mL (39.04 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	1.9518 mL	9.759 mL	19.5179 mL
5 mM	0.3904 mL	1.9518 mL	3.9036 mL
10 mM	0.1952 mL	0.9759 mL	1.9518 mL
50 mM	0.039 mL	0.1952 mL	0.3904 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

Glaros TG, et al. The survivin suppressants" NSC 80467 and YM155 induce a DNA damage response [published correction appears in Cancer Chemother Pharmacol. 2012 Nov;70(5):763-4]. Cancer Chemother Pharmacol. 2012; 70(1):207-212."

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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