

NSC-70220

Chemical Properties

CAS No. :	4551-00-2
Formula:	C ₂₂ H ₁₅ NO ₂
Molecular Weight:	325.36
Storage:	Powder: -20°C for 3 years <i>Actual storage temperature shall be subject to the COA.</i>

Biological Description

Description	SOS1-IN-1 is an inhibitor of SOS1.
Targets(IC50)	Raf,Others,Ras
In vitro	SOS1-IN-1 (40 µM) and NSC-658497(30 µM) result in growth inhibitory rate of 29% and 8% respectively. The combination treatment results in growth inhibitory rate of 54%, showing the synergistic effect of SOS1-IN-1 and NSC-658497 on cell growth inhibition. It is showed that the treatment with NSC-658497 at 40 µM for 2 hours alone or in combination with the treatment with 40 µM of SOS1-IN-1 overnight resulted in lower expression levels of P-AKT and P-ERK. The treatment with 40 µM of SOS1-IN-1 overnight resulted in lower expression levels of P-ERK.

Solubility Information

Solubility	DMSO: 12.5 mg/mL (38.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 1 mg/mL (3.07 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	3.0735 mL	15.3676 mL	30.7352 mL
5 mM	0.6147 mL	3.0735 mL	6.147 mL
10 mM	0.3074 mL	1.5368 mL	3.0735 mL
50 mM	0.0615 mL	0.3074 mL	0.6147 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

ARYL SULFONOHYDRAZIDES. WO 2016077793A1.

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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