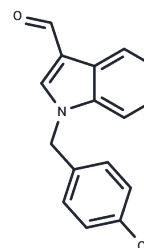


Oncrasin-1

Chemical Properties

CAS No. : 75629-57-1
 Formula: C₁₆H₁₂ClNO
 Molecular Weight: 269.73
 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	Oncrasin 1 is a potent inhibitor of anticancer that kills various human lung cancer cells with K-Ras mutations at low or submicromolar concentrations
Targets(IC50)	Apoptosis,Raf,DNA/RNA Synthesis,Ras
In vivo	In vivo administration of oncrasin-1 suppressed the growth of K-ras mutant human lung tumor xenografts by >70% and prolonged the survival of nude mice bearing these tumors, without causing detectable toxicity[1].

Solubility Information

Solubility	DMSO: 43 mg/mL (159.42 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (7.41 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	3.7074 mL	18.5371 mL	37.0741 mL
5 mM	0.7415 mL	3.7074 mL	7.4148 mL
10 mM	0.3707 mL	1.8537 mL	3.7074 mL
50 mM	0.0741 mL	0.3707 mL	0.7415 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

Guo W , Wu S , Liu J , et al. Identification of a Small Molecule with Synthetic Lethality for K-Ras and Protein Kinase C Iota[J]. Cancer Research, 2008, 68(18):7403-7408.

Guo W , Wu S , Wang L , et al. Interruption of RNA processing machinery by a small compound, 1-[(4-chlorophenyl)methyl]-1H-indole-3-carboxaldehyde (oncrasin-1)[J]. Molecular Cancer Therapeutics, 2009, 8(2):441-448.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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