

BI-2493

Chemical Properties

CAS No. :	2937344-16-4
Formula:	C ₂₄ H ₂₇ N ₇ O ₅
Molecular Weight:	461.58
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	BI-2493 is a highly selective pan-KRAS inhibitor and structural analog of BI-2865. BI-2493 exhibits antitumor activity and inhibits tumor cell growth and can be used in the study of cancerous diseases. BI-2493 is a highly selective pan-KRAS inhibitor and structural analog of BI-2865.
Targets(IC50)	Ras, Kras
In vitro	METHODS: ASPC1, HPAC and H727 cells were treated with BI-2493 (Log (1-4nM)), and cell viability was detected after 72 hours. RESULTS BI-2493 inhibited the growth of ASPC1, HPAC and H727 cells. [1]
In vivo	METHODS: A cell line-derived xenograft model was established, and mice were randomly assigned according to tumor size (n = 7-8 mice per treatment group) and treated with BI-2493 (10-90 mg/kg, orally twice daily) . RESULTS BI-2493 attenuated tumor growth in xenograft model mice. [1]

Solubility Information

Solubility	DMSO: 60 mg/mL (129.99 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	2.1665 mL	10.8324 mL	21.6647 mL
5 mM	0.4333 mL	2.1665 mL	4.3329 mL
10 mM	0.2166 mL	1.0832 mL	2.1665 mL
50 mM	0.0433 mL	0.2166 mL	0.4333 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

Kim D, et al. Pan-KRAS inhibitor disables oncogenic signalling and tumour growth. Nature. 2023 Jul;619(7968): 160-166.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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