

ALK-IN-21

Chemical Properties

CAS No. :	2901889-01-6
Formula:	C ₃₅ H ₄₅ ClN ₆ O ₆ S ₄
Molecular Weight:	809.48
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	ALK-IN-21 (Compound B10), a proficient ALK inhibitor targeting the ALKG1202R mutation, demonstrates significant inhibitory activity with IC ₅₀ values of 4.59 nM against ALK WT, 2.07 nM against ALK L1196M, and 5.95 nM against ALK G1202R. Moreover, ALK-IN-21 effectively suppresses proliferation in ALK-positive Karpas299 and H2228 cells, achieving IC ₅₀ values of 0.07 μM. It is applicable for anaplastic large cell lymphoma research [1].
Targets(IC ₅₀)	Others,ALK
In vitro	ALK-IN-21 (Compound B10) effectively suppresses the growth of Karpas299, H2228, and HCT116 cells, with half-maximal inhibitory concentration (IC ₅₀) values of 0.07 μM for both Karpas299 and H2228, and 5.53 μM for HCT116 [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2354 mL	6.1768 mL	12.3536 mL
5 mM	0.2471 mL	1.2354 mL	2.4707 mL
10 mM	0.1235 mL	0.6177 mL	1.2354 mL
50 mM	0.0247 mL	0.1235 mL	0.2471 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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