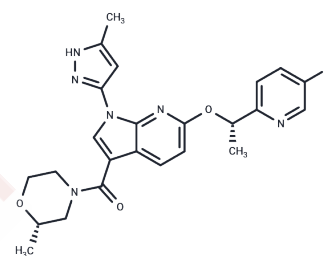


ALK-IN-5

Chemical Properties

CAS No. :	2351929-66-1
Formula:	C ₂₄ H ₂₅ FN ₆ O ₃
Molecular Weight:	464.49
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-5 is a potent, selective, and brain-penetrant inhibitor of anaplastic lymphoma kinase (ALK) with an IC ₅₀ of 2.9 nM.
Targets(IC ₅₀)	ALK
In vitro	ALK-IN-5 exhibits potent inhibition of ALK with a cellular IC ₅₀ of 27 nM.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1529 mL	10.7645 mL	21.529 mL
5 mM	0.4306 mL	2.1529 mL	4.3058 mL
10 mM	0.2153 mL	1.0764 mL	2.1529 mL
50 mM	0.0431 mL	0.2153 mL	0.4306 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

Fushimi M, et al. Discovery of Potent, Selective, and Brain-Penetrant 1 H-Pyrazol-5-yl-1 H-pyrrolo[2,3- b]pyridines as Anaplastic Lymphoma Kinase (ALK) Inhibitors. J Med Chem. 2019 May 23;62(10):4915-4935.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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