Data Sheet (Cat.No.T13929)

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TL13-112

Chemical Properties

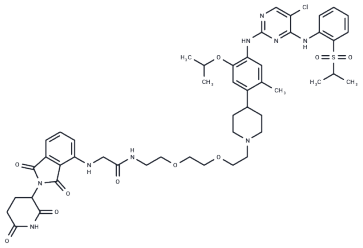
CAS No. : 2229037-19-6

Formula: C49H60ClN9O10S

Molecular Weight: 1002.57

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	TL13-112 is a selective degrader of ALK-PROTAC and inhibits ALK activity (IC50: 0.14 nM).
Targets(IC50)	Others,PROTACs
In vitro	TL13-112 binds to cereblon(IC50 of 2.4 uM). in H3122 cell and Karpas 299, TL13-112 (0.01 μM-1 μM; 16 hours)?is selective for degradation of ALK(DC50s of 10 nM and 40 nM, respectively). ALK degradation acts at 4 hours of treatment in H3122 cells and at 8 hours of treatment in Karpas 299 cells. The maximum degradation achieves at 16 hours in both cell lines. .TL13-112 (0.01 μM-1 μM; 16 hours) inhibits PTK2, ALK, FER, RPS6KA1 and Aurora A expression as a dose-dependent manner in H3122, Karpas 299, and Kelly cells.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9974 mL	4.9872 mL	9.9744 mL
5 mM	0.1995 mL	0.9974 mL	1.9949 mL
10 mM	0.0997 mL	0.4987 mL	0.9974 mL
50 mM	0.0199 mL	0.0997 mL	0.1995 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.

Reference

Powell CE, et al. Chemically Induced Degradation of Anaplastic Lymphoma Kinase (ALK).J Med Chem. 2018 May 10; 61(9):4249-4255.

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