

TL13-22

Chemical Properties

CAS No. : 2229036-65-9

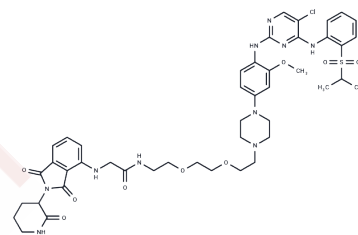
Formula: C₄₅H₅₅ClN₁₀O₉S

Molecular Weight: 947.5

Store at low temperature

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	TL13-22 is a potent inhibitor of Anaplastic Lymphoma Kinase (ALK) with an IC ₅₀ value of 0.54 nM and does not lead to degradation of ALK proteins. TL13-22 is often used as a negative control for TL13-12 (induces ALK protein degradation) as a negative control. TL13-22 also induces degradation of other kinases, including Aurora A, FER, PTK2, and RPS6KA1.
Targets(IC50)	ALK
In vitro	TL13-22 prompted the concentrations of Aurora A, FER, PTK2 and RPS6KA1 kinase reduction at 11.3, 5.74, 18.4 and 65.9 nM, respectively. [1]

Solubility Information

Solubility	DMSO: 200 mg/mL (211.08 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0554 mL	5.277 mL	10.5541 mL
5 mM	0.2111 mL	1.0554 mL	2.1108 mL
10 mM	0.1055 mL	0.5277 mL	1.0554 mL
50 mM	0.0211 mL	0.1055 mL	0.2111 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

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481