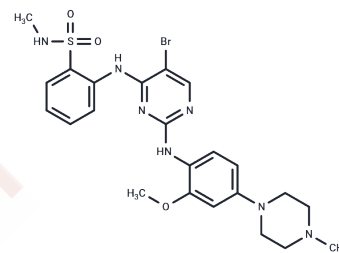


## ALK inhibitor 1

## Chemical Properties

CAS No. :	761436-81-1
Formula:	C <sub>23</sub> H <sub>28</sub> BrN <sub>7</sub> O <sub>3</sub> S
Molecular Weight:	562.48
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 inhibitor 1 is a selective ALK kinase inhibitor.
Targets(IC50)	FAK,ALK,IGF-1R
In vitro	ALK inhibitor 1 inhibits IGF-1R.

## Solubility Information

Solubility	H <sub>2</sub> O: 0.1 mg/mL (0.18 mM) DMSO: 90 mg/mL (160.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.87 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## A DRUG SCREENING EXPERT

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### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	1.7778 mL	8.8892 mL	17.7784 mL
5 mM	0.3556 mL	1.7778 mL	3.5557 mL
10 mM	0.1778 mL	0.8889 mL	1.7778 mL
50 mM	0.0356 mL	0.1778 mL	0.3556 mL

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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

A Dose Finding Study With Oral LDK378 in Patients With Tumors Characterized by Genetic Abnormalities in Anaplastic Lymphoma Kinase (ALK).

**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