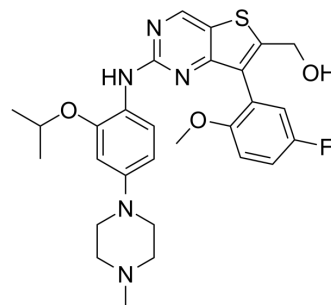


## ALK kinase inhibitor-1

Cat. No.:	HY-19990		
CAS No.:	1462949-64-9		
Molecular Formula:	C <sub>28</sub> H <sub>32</sub> FN <sub>5</sub> O <sub>3</sub> S		
Molecular Weight:	537.65		
Target:	ALK		
Pathway:	Protein Tyrosine Kinase/RTK		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (185.99 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.8599 mL	9.2997 mL	18.5995 mL
				5 mM	0.3720 mL	1.8599 mL	3.7199 mL
10 mM				0.1860 mL	0.9300 mL	1.8599 mL	
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (4.65 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	ALK kinase inhibitor-1 is an anaplastic lymphoma kinase (ALK) inhibitor extracted from patent US20130261106A1 compound I-202 <sup>[1]</sup> .
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### REFERENCES

[1]. Carry JC, et, al. Novel thienopyrimidine derivatives, processes for the preparation thereof and therapeutic uses thereof. US20130261106A1.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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