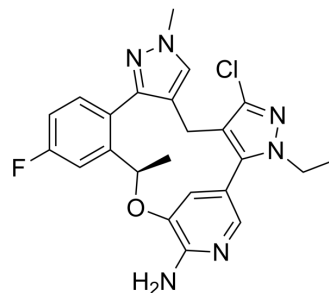


## ALK-IN-27

Cat. No.:	HY-156467		
CAS No.:	2739866-40-9		
Molecular Formula:	C <sub>23</sub> H <sub>22</sub> ClFN <sub>6</sub> O		
Molecular Weight:	452.91		
Target:	Anaplastic lymphoma kinase (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 : 125 mg/mL (275.99 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.2079 mL	11.0397 mL	22.0794 mL
5 mM	0.4416 mL	2.2079 mL	4.4159 mL
10 mM	0.2208 mL	1.1040 mL	2.2079 mL

Please refer to the solubility information to select the appropriate solvent.

## BIOLOGICAL ACTIVITY

### Description

ALK-IN-27 (compound 1) is a potent ALK inhibitor. ALK-IN-27 shows antitumor activity. ALK-IN-27 has an IC<sub>50</sub> of 2.7 nM for Ba/F3 CLIP1-LTK cells<sup>[1]</sup>.

## REFERENCES

[1]. Jennifer Anne Green, et al. Methods of treating solid tumor using (19r)-5-chloro-3-ethyl-16-fluoro-10,19-dimethyl-20-oxa-3,4,10,11,23-pentaazapentacyclo[19.3.1.02,6.08,12.013,18]pentacos-1(24),2(6),4,8,11,13,15,17,21(25),22-decaen-22-amine. WO2023196910A1.

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

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