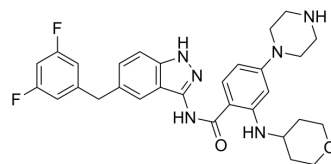


ALK-IN-28

Cat. No.:	HY-160520		
CAS No.:	1108743-80-1		
Molecular Formula:	C ₃₀ H ₃₂ F ₂ N ₆ O ₂		
Molecular Weight:	546.61		
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 : 100 mg/mL (182.95 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8295 mL	9.1473 mL	18.2946 mL
5 mM	0.3659 mL	1.8295 mL	3.6589 mL
10 mM	0.1829 mL	0.9147 mL	1.8295 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (4.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.57 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

ALK-IN-28 (compound 22) is an inhibitor of anaplastic lymphoma kinase (ALK)^[1].

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

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