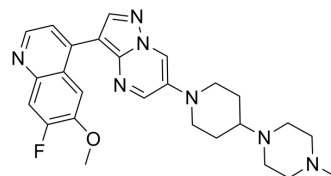


KER047

Cat. No.:	HY-136773		
CAS No.:	2248154-85-8		
Molecular Formula:	C ₂₆ H ₃₀ FN ₇ O		
Molecular Weight:	475.56		
Target:	TGF-β Receptor		
Pathway:	TGF-beta/Smad		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10 mg/mL (21.03 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	1 mM	2.1028 mL	10.5139 mL	21.0278 mL
	5 mM	0.4206 mL	2.1028 mL	4.2056 mL
	10 mM	0.2103 mL	1.0514 mL	2.1028 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: ≥ 1 mg/mL (2.10 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (2.10 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	ALK2-IN-4 is a potent ALK2 inhibitor extracted from patent WO2020086963A1, compound Formula I free base ^[1] .
IC ₅₀ & Target	ACVR1

REFERENCES

[1]. Sarah Bethune, et al. Crystal forms of an alk2 inhibitor. WO2020086963A1.

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

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