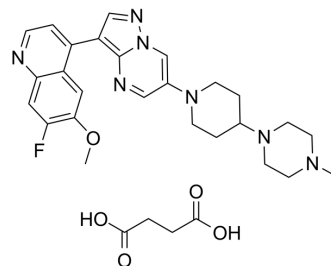


KER047 succinate

Cat. No.:	HY-136773A
CAS No.:	2416307-25-8
Molecular Formula:	C ₃₀ H ₃₆ FN ₇ O ₅
Molecular Weight:	593.65
Target:	TGF-β Receptor
Pathway:	TGF-beta/Smad
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 2 mg/mL (3.37 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.6845 mL	8.4225 mL	16.8449 mL
		5 mM	---	---	---
		10 mM	---	---	---
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: ≥ 0.2 mg/mL (0.34 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 0.2 mg/mL (0.34 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 0.2 mg/mL (0.34 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	ALK2-IN-4 succinate is a potent ALK2 inhibitor extracted from patent WO2020086963A1, compound Formula I free base ^[1] .
IC₅₀ & 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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA