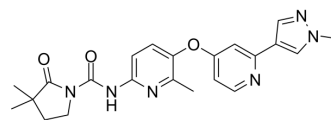


Pimicotinib

Cat. No.:	HY-153920		
CAS No.:	2253123-16-7		
Molecular Formula:	C ₂₂ H ₂₄ N ₆ O ₃		
Molecular Weight:	420.46		
Target:	c-Fms		
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 (237.83 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3783 mL	11.8917 mL	23.7835 mL
		5 mM	0.4757 mL	2.3783 mL	4.7567 mL
10 mM		0.2378 mL	1.1892 mL	2.3783 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 (5.95 mM); Clear solution; Need ultrasonic				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.95 mM); Clear solution; Need ultrasonic				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.95 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Pimicotinib is a CSF1R inhibitor with antitumor activity ^[1] .
IC ₅₀ & Target	CSF1R ^[1]

REFERENCES

[1]. Zhao BW, et al. N-(azaaryl)cyclolactam-1-carboxamide derivative, preparation method and application. World Intellectual Property Organization, WO2018214867 A1. 2018-11-29.

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

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