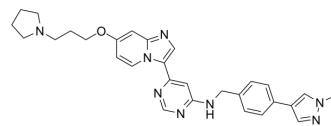


M4205

Cat. No.:	HY-132166		
CAS No.:	2590556-80-0		
Molecular Formula:	C ₂₉ H ₃₂ N ₈ O		
Molecular Weight:	508.62		
Target:	c-Kit		
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 : 5 mg/mL (9.83 mM; ultrasonic and warming and heat to 80°C)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.9661 mL	9.8305 mL	19.6610 mL
		5 mM	0.3932 mL	1.9661 mL	3.9322 mL
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: ≥ 1.11 mg/mL (2.18 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.11 mg/mL (2.18 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	M4205 is a c-KIT inhibitor, with an IC ₅₀ of 10 nM for c-KIT V654A. M4205 has high activity on c-KIT mutations in exon 11, 13, 17.
IC ₅₀ & Target	c-KIT

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

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