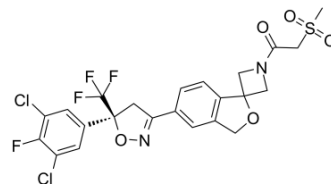


Sarolaner

Cat. No.:	HY-16730
CAS No.:	1398609-39-6
Molecular Formula:	C ₂₃ H ₁₈ Cl ₂ F ₄ N ₂ O ₅ S
Molecular Weight:	581.36
Target:	Parasite
Pathway:	Anti-infection
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 : 150 mg/mL (258.02 mM; Need ultrasonic)				
	H ₂ O : < 0.1 mg/mL (insoluble)				
	Preparing Stock Solutions	Solvent	1 mg	5 mg	10 mg
		Concentration			
		1 mM	1.7201 mL	8.6005 mL	17.2010 mL
5 mM		0.3440 mL	1.7201 mL	3.4402 mL	
	10 mM	0.1720 mL	0.8601 mL	1.7201 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 (4.30 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.30 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Sarolaner (PF-6450567) is an orally active, broad-spectrum ectoparasiticide, has efficacy against fleas and ticks on dogs, with LC ₈₀ of 0.3 µg/mL against <i>C. felis</i> and an LC ₁₀₀ of 0.003 µg/mL against <i>O. turicata</i> ^[1] .
IC ₅₀ & Target	LC80: 0.3µg/mL (<i>C. felis</i>) ^[1] LC100: 0.003 µg/mL (<i>O. turicata</i>) ^[1]

REFERENCES

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

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