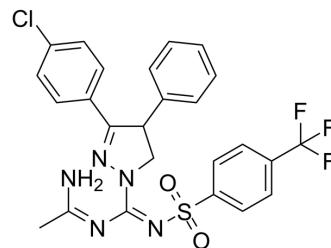


(Rac)-Zevaquenabant

Cat. No.:	HY-141411		
CAS No.:	1610420-28-4		
Molecular Formula:	C ₂₅ H ₂₁ ClF ₃ N ₅ O ₂ S		
Molecular Weight:	547.98		
Target:	Cannabinoid Receptor; NO Synthase		
Pathway:	GPCR/G Protein; Neuronal Signaling; Immunology/Inflammation		
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 : 50 mg/mL (91.24 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.8249 mL	9.1244 mL	18.2488 mL
		5 mM	0.3650 mL	1.8249 mL	3.6498 mL
10 mM		0.1825 mL	0.9124 mL	1.8249 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 (4.56 mM); Suspended solution; Need ultrasonic 2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.56 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	(Rac)-Zevaquenabant ((Rac)-MRI-1867, compound 6b) is a cannabinoid receptor type 1 (CB ₁ R)/iNOS antagonist, with a K _i of 5.7 nM for CB ₁ R. (Rac)-Zevaquenabant is potential for the research of liver fibrosis ^[1] .
IC₅₀ & Target	CB ₁ R/iNOS ^[1]

REFERENCES

[1]. Design, Synthesis, and Biological Evaluation of Novel, Non-Brain-Penetrant, Hybrid Cannabinoid CB₁R Inverse Agonist/Inducible Nitric Oxide Synthase (iNOS)

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

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