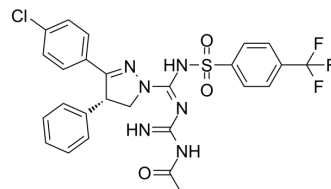


Monlunabant

Cat. No.:	HY-153800		
CAS No.:	2712480-46-9		
Molecular Formula:	C ₂₆ H ₂₂ ClF ₃ N ₆ O ₃ S		
Molecular Weight:	591		
Target:	Cannabinoid Receptor		
Pathway:	GPCR/G Protein; Neuronal Signaling		
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 (169.20 mM; Need ultrasonic)				
		Mass			
		Solvent	1 mg	5 mg	10 mg
		Concentration			
Preparing Stock Solutions	1 mM		1.6920 mL	8.4602 mL	16.9205 mL
	5 mM		0.3384 mL	1.6920 mL	3.3841 mL
	10 mM		0.1692 mL	0.8460 mL	1.6920 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 (4.23 mM); Clear solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

Description	Monlunabant ((S)-MRI-1891) is a solid dispersions compound, as well as a cannabinoid CB1 receptor inhibitor ^[1] .
IC₅₀ & Target	CB1 ^[1]

REFERENCES

[1]. Liu Z, Iyer MR, Godlewski G, Jourdan T, Liu J, Coffey NJ, Zawatsky CN, Puhl HL, Wess J, Meister J, Liow JS, Innis RB, Hassan SA, Lee YS, Kunos G, Cinar R. Functional Selectivity of a Biased Cannabinoid-1 Receptor (CB1R) Antagonist. ACS Pharmacol Transl Sci. 2021 Apr 8;4(3):1175-1187.

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

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