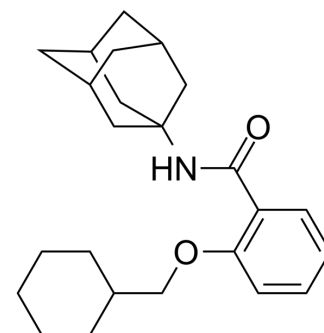


CB2R/FAAH modulator-2

Cat. No.:	HY-152253		
CAS No.:	2876918-68-0		
Molecular Formula:	C ₂₄ H ₃₃ NO ₂		
Molecular Weight:	367.52		
Target:	FAAH; Cannabinoid Receptor		
Pathway:	Metabolic Enzyme/Protease; Neuronal Signaling; GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	CB2R/FAAH modulator-2 (compound 26) is a dual targeting modulator that acts as a CB2R agonist and FAAH inhibitor. The K _i values for CB2R/FAAH modulator-2 are 10.8 and 152.9 nM for CB2R and CB1R, respectively, and the IC ₅₀ value for FAAH is 6.2 μM. CB2R/FAAH modulator-2 can be used in studies related to cancer, deleterious inflammatory cascades occurring in neurodegenerative diseases, and COVID-19 infection ^[1] .	
IC₅₀ & Target	CB1 152.9 nM (Ki)	CB2 10.8 nM (Ki)
In Vitro	CB2R/FAAH modulator-2 (compound 26)(10 μM) reduces the production of the pro-inflammatory cytokines TNFα, IFN-γ, IL-1 β and IL6 in unstimulated monocytes and macrophages ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

REFERENCES

[1]. Francesca Intranuovo, et al. Development of N-(1-Adamantyl)benzamides as Novel Anti-Inflammatory Multitarget Agents Acting as Dual Modulators of the Cannabinoid CB2 Receptor and Fatty Acid Amide Hydrolase. *J Med Chem.* 2023 Jan 12;66(1):235-250.

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

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