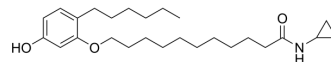


CB-52

Cat. No.:	HY-121545
CAS No.:	869376-90-9
Molecular Formula:	C ₂₆ H ₄₃ NO ₃
Molecular Weight:	417.62
Target:	Cannabinoid Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CB-52 is the ligand and neutral antagonist of CB2 cannabinoid receptor ^[1] .
In Vitro	CB-52 inhibits Forskolin (HY-15371)-induced cAMP formation by N18TG2 cells (IC ₅₀ : 450 nM) and hCB1-CHO cells (EC ₅₀ : 2600 nM) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	CB-52 (1 and 5 mg/kg, i.p.) decreases pain threshold to thermal stimulation in rats, and blocks WIN55,212-2 (2.5 mg/kg, i.p.) caused anti-nociceptive effect ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Cascio MG, et al. In vitro and in vivo pharmacology of synthetic olivetol- or resorcinol-derived cannabinoid receptor ligands. Br J Pharmacol. 2006 Oct;149(4):431-40.

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

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