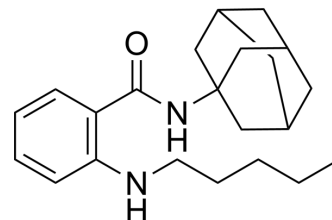


## CB2R agonist 1

Cat. No.:	HY-152576
CAS No.:	1817633-49-0
Molecular Formula:	C <sub>22</sub> H <sub>32</sub> N <sub>2</sub> O
Molecular Weight:	340.5
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

<b>Description</b>	CB2R agonist 1 is a selective ligand of cannabinoid receptor subtype 2 (CB2R) with an EC <sub>50</sub> value of 0.56 μM. CB2R agonist 1 has high affinity and excellent selectivity for human CB2R and CB1R respectively. CB2R agonist 1 regulates the production of pro-inflammatory cytokines and anti-inflammatory cytokines and play an immunomodulatory role <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	CB2R 0.56 μM (EC50)
<b>In Vitro</b>	CB2R agonist 1 (Compound 4) (1 μM and 10 μM; 24 h) increases the production of IL-4 and IL-10 anti-inflammatory cytokines and reduces the production of TNF-α, IFN-γ, IL-1β and IL-6 pro-inflammatory cytokines in monocytes and macrophages with concentration-dependent manner <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Graziano G, et al. N-adamantyl-anthranil amide derivatives: New selective ligands for the cannabinoid receptor subtype 2 (CB2R). Eur J Med Chem. 2023 Feb 15;248:115109.

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

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