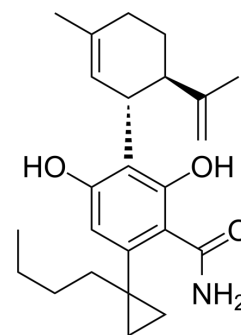


CB2R/5-HT1AR agonist 1

Cat. No.:	HY-162083
CAS No.:	2821085-76-9
Molecular Formula:	C ₂₄ H ₃₃ NO ₃
Molecular Weight:	383.52
Target:	Cannabinoid Receptor; 5-HT Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CB2R/5-HT1AR agonist 1 (Compound 2o) is an orally active partial agonist of the CB ₂ receptor (EC ₅₀ =479.6 nM). CB2R/5-HT1AR agonist 1 is a full agonist of 5-HT _{1A} receptor (EC ₅₀ =2.7 μM). CB2R/5-HT1AR agonist 1 exhibits anti-anxiety and anti-depressive effects. CB2R/5-HT1AR agonist 1 possesses favorable pharmacokinetic properties ^[1] .
IC₅₀ & Target	EC ₅₀ : 479.6 nM (CB ₂) ^[1] . EC ₅₀ : 2.7 μM (5-HT _{1A}) ^[1] .

REFERENCES

[1]. Yang W, et al. Discovery of a CB2 and 5-HT1A receptor dual agonist for the treatment of depression and anxiety. Eur J Med Chem. 2023 Dec 14;265:116048.

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

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