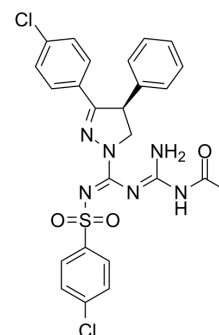


CB1R/AMPK modulator 1

Cat. No.:	HY-155967
CAS No.:	2711012-08-5
Molecular Formula:	C ₂₅ H ₂₂ Cl ₂ N ₆ O ₃ S
Molecular Weight:	557.45
Target:	AMPK; Cannabinoid Receptor
Pathway:	Epigenetics; PI3K/Akt/mTOR; GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CB1R/AMPK modulator 1 (Compound 38-S) is an orally active CB1R/AMPK modulator, with a K _i of 0.81 nM and an IC ₅₀ of 3.9 nM for CB1R. CB1R/AMPK modulator 1 activates AMPK. CB1R/AMPK modulator 1 reduces food intake and body weight, and improves glucose tolerance and insulin sensitivity ^[1] .
IC ₅₀ & Target	3.9 nM (CB1R) ^[1]

REFERENCES

[1]. Dvorácskó S, et al. Cannabiniformins: Designing Biguanide-Embedded, Orally Available, Peripherally Selective Cannabinoid-1 Receptor Antagonists for Metabolic Syndrome Disorders. J Med Chem. 2023 Aug 23.

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

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