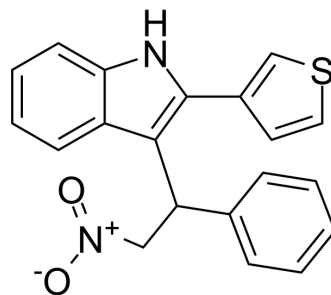


GAT564

Cat. No.:	HY-144705
CAS No.:	2851895-01-5
Molecular Formula:	C ₂₀ H ₁₆ N ₂ O ₂ S
Molecular Weight:	348.42
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

GAT564 (Compound 15d) is a potent allosteric modulator of cannabinoid 1 receptor (CB1R) with EC₅₀s of 87 and 320 nM respectively for cAMP and β-arrestin2. GAT564 markedly promotes orthosteric ligand binding to hCB1R. GAT564 is efficacious as a topical agent that significantly reduces intraocular pressure (IOP) in the ocular normotensive murine model of glaucoma^[1].

REFERENCES

[1]. Garai S, et al. Design, synthesis, and pharmacological profiling of cannabinoid 1 receptor allosteric modulators: Preclinical efficacy of C2-group GAT211 congeners for reducing intraocular pressure. *Bioorg Med Chem.* 2021;50:116421.

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

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