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Data Sheet

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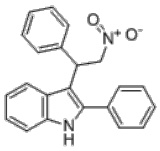
Product Name	:	GAT211
Cat. No.	:	PC-35485
CAS No.	:	102704-40-5
Molecular Formula	:	$C_{22}H_{18}N_2O_2$
Molecular Weight	:	342.4
Target	:	Cannabinoid Receptor
Solubility	:	10 mM in DMSO



Biological Activity

GAT-211 (GAT211) is a selective cannabinoid 1 receptor (**CB1R**) positive allosteric modulator with pKb of 7.26, Arrestin2 EC50 of 775 nM.
GAT-211 engages CB1R allosteric site(s), enhances the binding of the orthosteric full agonist [3H]CP55,490, and reduces the binding of the orthosteric antagonist/inverse agonist [3H]SR141716A.
GAT-211 displayed both PAM and agonist activity in HEK293A and Neuro2a cells expressing human recombinant CB1R (hCB1R) and in mouse-brain membranes rich in native CB1R.

References

Laprairie RB, et al. ***ACS Chem Neurosci***. 2017 Jun 21;8(6):1188-1203.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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