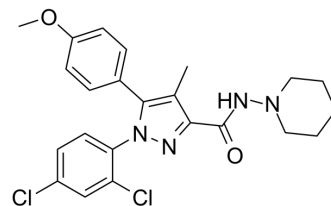


NIDA-41020

Cat. No.:	HY-103326
CAS No.:	502486-89-7
Molecular Formula:	C ₂₃ H ₂₄ Cl ₂ N ₄ O ₂
Molecular Weight:	459.37
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	NIDA-41020 is a potent and selective cannabinoid receptor 1 (CB1) antagonist with a K _i of 4.1 nM. NIDA-41020 was designed as a potential radioligand for use in positron emission tomography (PET) ^[1] .
IC₅₀ & Target	CB1 4.1 nM (K _i)

REFERENCES

[1]. Katoch-Rouse R, et al. Synthesis, structure-activity relationship, and evaluation of SR141716 analogues: development of central cannabinoid receptor ligands with lower lipophilicity. *J Med Chem.* 2003 Feb 13;46(4):642-5.

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

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