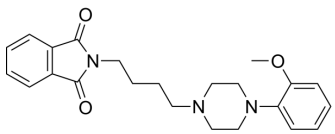
NAN-190

Cat. No.:	HY-19818
CAS No.:	102392-05-2
Molecular Formula:	$C_{23}H_{27}N_3O_3$
Molecular Weight:	393.48
Target:	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	NAN-190 is a serotonin receptor 5-HT antagonist. NAN-190 is a selective antagonist of 5-HT1A.Target: 5-HT in vitro: NAN-190 is a 5-HT1A antagonist. [3] NAN-190 is a selective antagonist of 5-HT1A. [1]in vivo: NAN-190 (0.5 mg/kg, ip), as a 5-HT1A receptor antagonist, is injected concomitantly with the effective dose of fluoxetine. NAN-190 (5-HT1A receptor antagonist) reverses the catalepsy-improving effect of fluoxetine in 6-OHDA lesioned rats. [2]
IC_{50} & Target	$5\text{-}HT_1$ Receptor

REFERENCES

[1]. Shahane SA, et al. Detection of phospholipidosis induction: a cell-based assay in high-throughput and high-content format. J Biomol Screen. 2014 Jan;19(1):66-76.

[2]. Sharifi H, et al. Dose-Dependent Effect of Flouxetine on 6-OHDA-Induced Catalepsy in Male Rats: A Possible Involvement of 5-HT1A Receptors. Adv Pharm Bull. 2013;3(1):203-6.

[3]. Citó MC, et al. Antidepressant-like effect of Hoodia gordonii in a forced swimming test in mice: evidence for involvement of the monoaminergic system. Braz J Med Biol Res. 2015 Jan;48(1):57-64.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA