SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

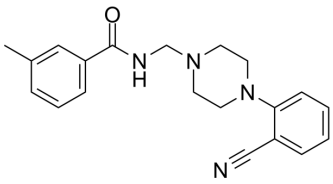
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

PD-168077

Cat. No.:	HY-21098
CAS No.:	190383-31-4
Molecular Formula:	$C_{20}H_{22}N_4O$
Molecular Weight:	334.41
Target:	Dopamine Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	PD-168077 is a selective dopamine D_4 receptor agonist, with a K_i of 9 nM[1].
In Vitro	In the PD-168077-treated cell, p-CaMKII exhibits a significantly increased clustering at synaptic sites, as indicated by the enhanced colocalization with PSD-95[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.
In Vivo	PD-168077 (0.2-25.0 mg/kg) dose-dependently induces locomotion, which takes an unusual and characteristic ”shuffling” form with uncoordinated movements together with yawning, and episodes of myoclonic jerking; grooming, and rearing are reduced[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Research Square Preprint. 2023 Oct 3.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Clifford JJ, et al. Topographically based search for an "Ethogram" among a series of novel D(4) dopamine receptor agonists and antagonists. Neuropsychopharmacology. 2000 May;22(5):538-44.

[2]. Gu Z, et al. Activation of dopamine D4 receptors induces synaptic translocation of Ca2+/calmodulin-dependent protein kinase II in cultured prefrontal cortical neurons. Mol Pharmacol. 2006 Mar;69(3):813-22.

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

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