



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

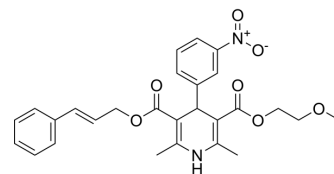
mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Cilnidipine (Standard)

Cat. No.:	HY-17404R
CAS No.:	132203-70-4
Molecular Formula:	C ₂₇ H ₂₈ N ₂ O ₇
Molecular Weight:	492.52
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Cilnidipine (Standard) is the analytical standard of Cilnidipine. This product is intended for research and analytical applications. Cilnidipine is a long-acting, second-generation dihydropyridine Ca²⁺-channel blocker on L and N-type Ca²⁺ channel^{[1][2][3][4]}. Antihypertensive effects^[5].

REFERENCES

- [1]. S Fujii, et al. Effect of cilnidipine, a novel dihydropyridine Ca²⁺-channel antagonist, on N-type Ca²⁺ channel in rat dorsal root ganglion neurons. *J Pharmacol Exp Ther.* 1997 Mar;280(3):1184-91.
- [2]. Matthias Löhn, et al. Cilnidipine is a novel slow-acting blocker of vascular L-type calcium channels that does not target protein kinase C. *J Hypertens.* 2002 May;20(5):885-93.
- [3]. Young Joo Lee, et al. Cilnidipine mediates a neuroprotective effect by scavenging free radicals and activating the phosphatidylinositol 3-kinase pathway. *J Neurochem.* 2009 Oct;111(1):90-100.
- [4]. Naresh Kumar, et al. Anti-stress effects of cilnidipine and nimodipine in immobilization subjected mice. *Physiol Behav.* 2012 Mar 20;105(5):1148-55.
- [5]. A Takahara, et al. [Antihypertensive effects of repeated oral administration of cilnidipine, a novel calcium antagonist, in 2K1C renal hypertensive dogs]. *Nihon Yakurigaku Zasshi.* 1995 Oct;106(4):279-87.

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