



# 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

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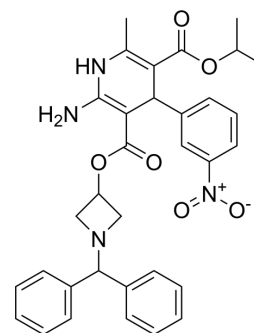
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## Azelnidipine (Standard)

Cat. No.:	HY-B0023R
CAS No.:	123524-52-7
Molecular Formula:	C <sub>33</sub> H <sub>34</sub> N <sub>4</sub> O <sub>6</sub>
Molecular Weight:	582.65
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

Azelnidipine (Standard) is the analytical standard of Azelnidipine. This product is intended for research and analytical applications. Azelnidipine (CS 905; Calblock) is a dihydropyridine derivative, an L-type calcium channel blocker, and can fight hypertension.

### REFERENCES

- [1]. Komoda H, Inoue T, Node K. Anti-inflammatory properties of azelnidipine, a dihydropyridine-based calcium channel blocker. *Clin Exp Hypertens*. 2010 Jan;32(2):121-8.
- [2]. Kain V, Kumar S, Sitasawad SL. Azelnidipine prevents cardiac dysfunction in streptozotocin-diabetic rats by reducing intracellular calcium accumulation, oxidative stress and apoptosis. *Cardiovasc Diabetol*. 2011 Nov 4;10:97.
- [3]. Takano Y, Ueyama T, Ishikura F. Azelnidipine, unique calcium channel blocker could prevent stress-induced cardiac dysfunction like  $\alpha$ - $\beta$  blocker. *J Cardiol*. 2012 Jul;60(1):18-22.
- [4]. Shimizu T, Tanaka T, Iso T et al. Azelnidipine inhibits MSX2-dependent osteogenic differentiation and matrix mineralization of vascular smooth muscle cells. *Int Heart J*. 2012;53(5):331-5.
- [5]. Ohyama T, Sato K, Kishimoto K et al. Azelnidipine is a calcium blocker that attenuates liver fibrosis and may increase antioxidant defence. *Br J Pharmacol*. 2012 Feb;165(4b):1173-87.

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

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