



# 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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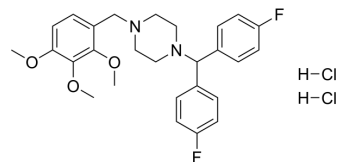
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## Lomerizine dihydrochloride (Standard)

<b>Cat. No.:</b>	HY-B0768AR
<b>CAS No.:</b>	101477-54-7
<b>Molecular Formula:</b>	C <sub>27</sub> H <sub>32</sub> Cl <sub>2</sub> F <sub>2</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight:</b>	541.46
<b>Target:</b>	Calcium Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Lomerizine dihydrochloride (Standard) is the analytical standard of Lomerizine dihydrochloride. This product is intended for research and analytical applications. Lomerizine dihydrochloride is an antagonist of L- and T-type voltage-gated calcium channels.
<b>IC<sub>50</sub> &amp; Target</b>	L- and T-type calcium channel <sup>[1]</sup>

### REFERENCES

- [1]. Tran LT, et al. The voltage-gated calcium channel blocker Lomerizine is neuroprotective in motor neurons expressing mutant SOD1, but not TDP-43. *J Neurochem.* 2014 Aug;130(3):455-66.
- [2]. Zhu HJ, et al. [Reversal of multidrug resistance by Lomerizine in K562/ADM cells]. *Yao Xue Xue Bao.* 2004 May;39(5):333-7.
- [3]. Nakamura-Yanagidaira T, et al. Development of spontaneous neuropathy in NF-κBp50-deficient mice by calcineurin-signal involving impaired NF-κB activation. *Mol Vis.* 2011;17:2157-70.
- [4]. Shimazawa M, et al. Effects of Ca<sup>2+</sup> channel blockers on cortical hypoperfusion and expression of c-Fos-like immunoreactivity after cortical spreading depression in rats. *Br J Pharmacol.* 1995 Aug;115(8):1359-68.

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

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