



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) 

PRODUCT INFORMATION

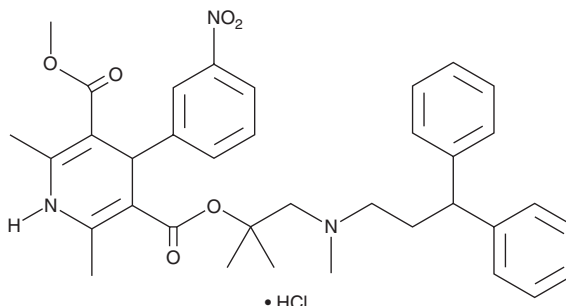


Lercanidipine (hydrochloride)

Item No. 29104

CAS Registry No.: 132866-11-6
Formal Name: 3,5-pyridinedicarboxylic acid, 1,4-dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3-[2-[(3,3-diphenylpropyl)methylamino]-1,1-dimethylethyl] 5-methyl ester, monohydrochloride

MF: C₃₆H₄₁N₃O₆ • HCl
FW: 648.2
Purity: ≥98%
UV/Vis.: λ_{max}: 239, 363 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Lercanidipine (hydrochloride) is supplied as a solid. A stock solution may be made by dissolving the lercanidipine (hydrochloride) in the solvent of choice, which should be purged with an inert gas. Lercanidipine (hydrochloride) is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of lercanidipine (hydrochloride) in these solvents is approximately 2, 15, and 25 mg/ml, respectively.

Lercanidipine (hydrochloride) is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, lercanidipine (hydrochloride) should first be dissolved in DMF and then diluted with the aqueous buffer of choice. Lercanidipine (hydrochloride) has a solubility of approximately 0.3 mg/ml in a 1:2 solution of DMF:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

Lercanidipine is a dihydropyridine L-type calcium channel blocker.¹ It binds to rat brain and heart homogenates (K_is = 0.24-0.3 and 0.22 nM, respectively, in radioligand binding assays) and inhibits potassium-induced contraction of isolated rat aorta (IC₅₀ = 1.3 nM). Lercanidipine reduces diastolic blood pressure (DBP) in normotensive and spontaneously hypertensive rats with ED₂₅ values of 16.3 and 15.5 μg/kg, respectively. Formulations containing lercanidipine have been used in the treatment of hypertension.

Reference

1. Testa, R., Leonardi, A., Tajana, A., *et al.* Lercanidipine (Rec 15/2375): A novel 1,4-dihydropyridine calcium antagonist for hypertension *Cardiovasc. Drug Rev.* **15**(3), 187-219 (1997).

WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 01/03/2020

CAYMAN CHEMICAL

1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA

PHONE: [800] 364-9897
[734] 971-3335

FAX: [734] 971-3640

CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM