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Produktinformation

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- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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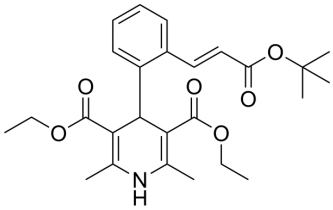
Lacidipine (Standard)

Cat. No.:	HY-B0347R
CAS No.:	103890-78-4
Molecular Formula:	$C_{26}H_{33}NO_6$
Molecular Weight:	455.54
Target:	Calcium Channel; Reactive Oxygen Species; Caspase; Apoptosis
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Lacidipine (Standard) is the analytical standard of Lacidipine. This product is intended for research and analytical applications. Lacidipine is an orally active and highly selective L-type calcium channel blocker that acts on smooth muscle calcium channels, primarily dilates peripheral arteries, reduces peripheral resistance, and has long-lasting anti-hypertensive activity. Lacidipine protects HKCs from apoptosis induced by ATP depletion and recovery by modulating the caspase-3 pathway. Lacidipine can be used in studies of hypertension, atherosclerosis and acute kidney injury (AKI)[1][2].

REFERENCES

[1]. Zhang A, et al. Lacidipine attenuates apoptosis via a caspase-3 dependent pathway in human kidney cells. Cell Physiol Biochem. 2013;32(4):1040-9.

[2]. Cristofori P, et al. The calcium-channel blocker lacidipine reduces the development of atherosclerotic lesions in the apoE-deficient mouse. J Hypertens. 2000 Oct;18(10):1429-36.

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