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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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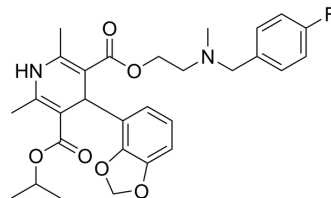
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Elgodipine

Cat. No.:	HY-126401
CAS No.:	119413-55-7
Molecular Formula:	C ₂₉ H ₃₃ FN ₂ O ₆
Molecular Weight:	524.58
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	Elgodipine (IQB-875 free base) is an orally active dihydropyridine calcium antagonist and an antianginal compound. Elgodipine inhibits both T- and L-type calcium channels (IC ₅₀ : 32 and 2.3 nM). Elgodipine lowers systemic vascular resistance and improves systolic cardiac function ^{[1][2][3]}	
IC₅₀ & Target	T-type calcium channel 32 nM (IC ₅₀)	L-type calcium channel 2.3 nM (IC ₅₀)

REFERENCES

- [1]. Kuhn A, et al. Hemodynamic and antiischemic effects of intravenous elgodipine, a new dihydropyridine calcium channel blocker, in patients with chronic stable angina. *Cardiovasc Drugs Ther.* 1995 Aug;9(4):595-600.
- [2]. Lepretre N, et al. Electrophysiological and radioligand binding studies of elgodipine and derivatives in portal vein myocytes. *J Pharmacol Exp Ther.* 1994 Dec;271(3):1209-15.
- [3]. Acharya DU, et al. Anti-ischaemic and haemodynamic effects of elgodipine, a potent new generation calcium antagonist, in chronic stable angina. *Eur Heart J.* 1994 May;15(5):665-71.

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

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