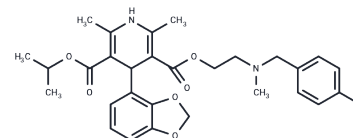


Elgodipine

Chemical Properties

CAS No. :	119413-55-7
Formula:	C ₂₉ H ₃₃ FN ₂ O ₆
Molecular Weight:	524.58
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Elgodipine significantly reduced the incidence and severity of exercise-induced angina pectoris systemically and was able to inhibit vascular smooth muscle proliferation through a mechanism independent of the expression of the transcription factors c-fos and c-jun. The Elgodipine-induced inhibition was voltage-dependent. Elgodipine is a potential compound for the treatment of angina pectoris.
In vivo	Elgodipine (64 micrograms/kg; i.v.; 22 patients) significantly decreased systemic vascular resistance as well as systolic and diastolic blood pressure, while increasing cardiac output and stroke volume. Heart rate was not affected by elgodipine, either at rest or during exercise.[1]

Solubility Information

Solubility	DMSO: 55 mg/mL (104.85 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9063 mL	9.5314 mL	19.0629 mL
5 mM	0.3813 mL	1.9063 mL	3.8126 mL
10 mM	0.1906 mL	0.9531 mL	1.9063 mL
50 mM	0.0381 mL	0.1906 mL	0.3813 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Tamargo J, et al. Cardiovascular effects of the new dihydropyridine derivative elgodipine. *Arzneimittelforschung*. 1991;41(9):895-900.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481