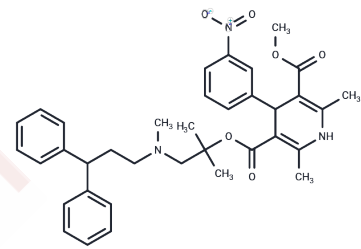


Lercanidipine

Chemical Properties

CAS No. :	100427-26-7
Formula:	C ₃₆ H ₄₁ N ₃ O ₆
Molecular Weight:	611.73
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Lercanidipine (Masnidipine) is a calcium channel blocker of the dihydropyridine class.
Targets(IC50)	Apoptosis, Calcium Channel, NF-κB, Reactive Oxygen Species, p38 MAPK, ROS

Solubility Information

Solubility	DMSO: 50 mg/mL (81.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6347 mL	8.1735 mL	16.3471 mL
5 mM	0.3269 mL	1.6347 mL	3.2694 mL
10 mM	0.1635 mL	0.8174 mL	1.6347 mL
50 mM	0.0327 mL	0.1635 mL	0.3269 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Barrios V, et al. Int J Clin Pract, 2006. 60(11): p. 1364-70.
- Pan X, Li R, Guo H, et al. Dihydropyridine Calcium Channel Blockers Suppress the Transcription of PD-L1 by Inhibiting the Activation of STAT1. Frontiers in Pharmacology. 2021 Jan 13;11:539261. doi: 10.3389/fphar.2020.539261. eCollection 2020.
- Pan X, Li R, Guo H, et al. Dihydropyridine Calcium Channel Blockers Suppress the Transcription of PD-L1 by Inhibiting the Activation of STAT1[J]. Frontiers in Pharmacology. 2021, 11: 2233.

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