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## Product Data Sheet

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Product Name: Lercanidipine

Cat. No.: GC17625

**Chemical Properties**

Cas. No. 100427-26-7

Chemical Name 3-(1-((3,3-diphenylpropyl)(methyl)amino)-2-methylpropan-2-yl) 5-methyl 2,6-dimethyl-4-(3-nitrophenyl)-1,4-dihydropyridine-3,5-dicarboxylate

SMILES CC(N1)=C(C(OC)=O)C(C(C(OC(C)(CN(CCC(C2=CC=CC=C2)C3=CC=CC=C3)C)C)=O)=C1C)C4=CC(N(=O)=O)=CC=C4Formula  $C_{36}H_{41}N_3O_6$  M.Wt 611.73

Solubility DMSO : 100 mg/mL (163.47 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

Lercanidipine is a calcium channel blocker of the dihydropyridine class. Target: Calcium Channel. Lercanidipine is a calcium channel blocker of the dihydropyridine class, which works by relaxing and opening the blood vessels allowing the blood to circulate more freely around the body. Lercanidipine was effective and well-tolerated in patients with mild-to-moderate hypertension in the daily practice. The effectiveness and safety of the drug were independent of the degree of cardiovascular risk [1, 2].

**References:**

- [1]. Barrios, V., et al., Lercanidipine is an effective and well tolerated antihypertensive drug regardless the cardiovascular risk profile: The LAURA study. *Int J Clin Pract*, 2006. 60(11): p. 1364-70.
- [2]. Burnier, M., M. Pruijm, and G. Wuerzner, Treatment of essential hypertension with calcium channel blockers: what is the place of lercanidipine *Expert Opin Drug Metab Toxicol*, 2009. 5(8): p. 981-7.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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