Product Name: Lercanidipine hydrochloride
Catalog No.: 2959 Batch No.: 1

CAS Number: 132866-11-6
IUPAC Name: 1,4-Dihydro-2,6-dimethyl-4-(3-nitrophenyl)-3,5-pyridinedicarboxylic acid 2-[(3,3-diphenylpropyl)methylamino]-1,1-dimethylethyl methyl ester hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{36}H_{41}N_{3}O_{6}.HCl.\frac{1}{2}H_{2}O
- **Batch Molecular Weight:** 657.2
- **Physical Appearance:** Light yellow solid
- **Solubility:** DMSO to 100 mM, ethanol to 10 mM
- **Storage:** Desiccate at +4°C

2. ANALYTICAL DATA

- **HPLC:** Shows >99.8% purity
- **\(^1\)H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**
  - **Theoretical:** Carbon 65.79, Hydrogen 6.59, Nitrogen 6.39
  - **Found:** Carbon 65.9, Hydrogen 6.45, Nitrogen 6.38

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Information

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Description:
L-type Ca\(^{2+}\) channel blocker that displays higher vascular selectivity than felodipine (Cat. No. 2960). Causes peripheral vasodilation with only weak negative inotropic activity. Antihypertensive.

Physical and Chemical Properties:
Batch Molecular Formula: C\(_{39}\)H\(_{44}\)N\(_{3}\)O\(_{8}\).HCl.\(\frac{1}{2}\)H\(_{2}\)O
Batch Molecular Weight: 657.2
Physical Appearance: Light yellow solid
Minimum Purity: >99%

Batch Molecular Structure:

Storage: Desiccate at +4°C
CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:
DMSO to 100 mM
ethanol to 10 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).
Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References: