

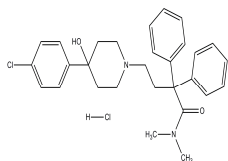
Product: Loperamide hydrochloride

ALTERNATE NAME: 4-(4-Chlorophenyl)-4-hydroxy-*N,N*-dimethyl- α,α -diphenyl-1-piperidinebutanamide hydrochloride

CATALOG #: 2683-500, 1000

AMOUNT: 500 mg, 1 g

STRUCTURE:



MOLECULAR FORMULA: C₂₉H₃₃ClN₂O₂.HCl

MOLECULAR WEIGHT: 513.51

CAS NUMBER: 34552-83-5

APPEARANCE: White solid

SOLUBILITY: DMSO (>20 mg/ml) or EtOH (>20 mg/ml)

PURITY: ≥98% by titration

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: Loperamide is an antidiarrheal agent that acts as a non-selective Ca²⁺ channel blocker. At nanomolar concentrations (K_i = 2 nM), Loperamide binds to μ -opioid receptors. Also acts as an mTOR-independent autophagy enhancer.

REFERENCES: Renna, M., *et al.* (2010). *J. Biol. Chem.* **285**, 11061-11067.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Amiodarone Hydrochloride (Cat. No. 1828-100, 500)

ATM Kinase Inhibitor, KU-55933 (Cat. No. 1685-5)

Bafilomycin A1 (cat. No. 1829-50, 250)

Chloroquine diphosphate (Cat. No. 1825-100, 500)

Clonidine hydrochloride (Cat. No. 2684-50, 250)

C2-Dihydroceramide (Cat. No. 2391-5, 25)

Dorsomorphin (Cat. No. 1686-5)

Go6976 (Cat. No. 1711-500)

EZSolution™ Go6976 (Cat. No. 1785-500)

3-Methyladenine (Cat. No. 2249-25, 100)

SMER28 (Cat. No. 1856-5, 25)

Spautin-1 (Cat. No. 2037-5, 25)

FOR RESEARCH USE ONLY! Not to be used on humans.