

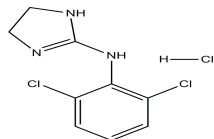
Product: Clonidine hydrochloride

ALTERNATE NAME: 2-(2,6-Dichloroanilino)-2-imidazoline hydrochloride

CATALOG #: 2684-100, 500

AMOUNT: 100 mg, 500 mg

STRUCTURE:



MOLECULAR FORMULA: $C_9H_9Cl_2N_3 \cdot HCl$

MOLECULAR WEIGHT: 266.55

CAS NUMBER: 4205-91-8

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>10 mg/ml) or H₂O (>25 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Clonidine is an antihypertensive agent that acts as an α_2 -adrenergic receptor agonist that decreases peripheral vascular resistance by centrally inhibiting sympathetic nerve activity. The antihypertensive effects of clonidine have also been attributed to its agonism of the imidazoline (I_1) receptor ($K_i = 4-8$ nM). Also acts as an mTOR-independent autophagy enhancer.

REFERENCES: Williams, A., *et al.* (2008). *Nat.Chem. Biol.* **5**, 295-305.

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)

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

Dorsomorphin (Cat. No. 1686-5)

Go6976 (Cat. No. 1711-500)

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

Loperamide hydrochloride (Cat. No. 2683-500, 1000)

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.