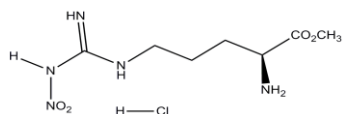


PRODUCT: L-NAME hydrochloride**ALTERNATE NAME:** N^G-Nitro-L-arginine methyl ester hydrochloride**CATALOG #:** 2356-100, 500, 1000**AMOUNT:** 100 mg, 500 mg, 1 g**STRUCTURE:****MOLECULAR FORMULA:** C₇H₁₅N₅O₄.HCl**MOLECULAR WEIGHT:** 269.69**CAS NUMBER:** 51298-62-5**APPEARANCE:** White solid**SOLUBILITY:** DMSO (~ 5 mg/ml) or H₂O (~50 mg/ml)**PURITY:** ≥98%**STORAGE:** At -20°C. Protect from air and moisture

DESCRIPTION: A pro-drug of L- N^G-Nitro-L-arginine (L-NOARG). Hydrolysis of the methyl ester of L-NAME by cellular esterases converts it into a fully functional L-NOARG that exhibits some selectivity for inhibition of neuronal and endothelial NOS isoforms (K_i values of 15 nM, 39 nM, and 4.4 μM for nNOS (bovine), eNOS (human), and iNOS (mouse), respectively). L-NAME inhibits cGMP formation in endothelial cells with an IC₅₀ of 3.1 μM (in the presence of 30 μM arginine) and reverses the vasodilation effects of acetylcholine in rat aorta rings with an EC₅₀ of 0.54 μM.

REFERENCE: Pfeiffer, S., *et al.* (1996). *Br. J. Pharmacol.* **118**, 1433-1440.

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

RELATED PRODUCTS:

1400W hydrochloride (Cat. No. 2055-5, 25)

BEC (Cat. No. 2359-1, 5)

Diphenyleneiodonium chloride (Cat. No. 2358-5)

eNOS Antibody (Cat. No. 3426R-100)

L-NMMA acetate (Cat. No. 2348-5, 25, 100)

Nitric Oxide Colorimetric Assay Kit (Cat. No. K262-200)

Nitric Oxide Fluorometric Assay Kit (Cat. No. K252-20)

7-Nitroindazole (Cat. No. 2360-50, 250)

3-Bromo-7-Nitroindazole (Cat. No. 2361-10, 50)

ODQ (Cat. No. 2501-10, 50)

USAGE: *FOR RESEARCH CH USE ONLY! Not to be used in humans*