**PRODUCT:** L-NAME hydrochloride

**ALTERNATE NAME:** N5-Nitro-L-arginine methyl ester hydrochloride

**CATALOG #:** 2356-100, 500, 1000

**AMOUNT:** 100 mg, 500 mg, 1 g

**STRUCTURE:**

![Structure of L-NAME hydrochloride]

**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- N5-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 (Ki 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.


**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