

## L-NAME hydrochloride

Cat. No. CEI-0592

Lot. No. (See product label)

### Introduction

#### Description

A pro-drug of L- NG-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<sub>i</sub> 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 IC<sub>50</sub> of 3.1 μM (in the presence of 30 μM arginine) and reverses the vasodilation effects of acetylcholine in rat aorta rings with an EC<sub>50</sub> of 0.54 μM.

#### Synonyms

NG-Nitro-L-arginine methyl ester hydrochloride

### Product Information

#### Appearance

White to off-white solid

#### CAS No.

51298-62-5

#### Molecular Formula

C<sub>7</sub> H<sub>15</sub> N<sub>5</sub> O<sub>4</sub> · HCl

#### Molecular Weight

278.35

#### Purity

>99% by TLC

#### Targets

NOS1, NOS3, Nos2

#### Solubility

DMSO (~200 mg/ml) or Ethanol (~40 mg/ml)

#### Amino Acid Sequence

H-Arg(NO<sub>2</sub>)-OMeHCl

### Storage and Shipping Information

#### Storage

-20 centigrade

#### Shipping Conditions

Gel pack