

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_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.

Synonyms NG-Nitro-L-arginine methyl ester hydrochloride

Product Information

Appearance White to off-white solid

CAS No. 51298-62-5

Molecular Formula C₇ H₁₅ N₅ O₄ . 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(NO₂)-OMeHCl

Storage and Shipping Information

Storage -20 centigrade

Shipping Conditions Gel pack