

Product Name : L-NAME hydrochloride

Synonyms : NG-Nitroarginine methyl ester hydrochloride

Cat No. : M14773

CAS Number : 51298-62-5

Molecular Formula : C₇H₁₆ClN₅O₄

Formula Weight : 269.69

Chemical Name : L-Ornithine, N5-[imino(nitroamino)methyl]-, methyl ester, hydrochloride (1:1)

Description : A widely used inhibitor of NO synthase (NOS) with IC₅₀ of 70 μM for purified brain NOS; 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. Asthma Phase 3 Clinical

Pathway : Immunology/Inflammation

Target : NOS

Receptor : eNOS; iNOS; nNOS

Solubility : H₂O: ≥ 32 mg/mL

SMILES : COC(=O)[C@H](CCCN=C(N)N[N+](=O)[O-])N.Cl

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Pfeiffer S, et al. Br J Pharmacol. 1996 Jul;118(6):1433-40. | 2. Lo HC, et al. PLoS One. 2016 Mar 23;11(3):e0151973. | 3. Xiao H, et al. Oncotarget. 2017 May 2;8(18):29976-29983.

