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DATASHEET

L-NAME

Product overview

Name	L-NAME
Cat No	HB1352
Biological action	Inhibitor
Purity	>98%
Description	Non-selective NOS inhibitor. Induces hypertension.

Images



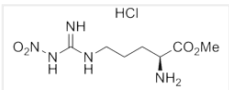
Biological Data

Biological description	Non-selective nitric oxide synthase (NOS) inhibitor. Also inhibits cyclic GMP ($IC_{50} = 3.1 \mu M$). Methyl ester pro-drug of L-NNA. Induces hypertension.
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Solubility & Handling

Storage instructions	Room temperature
Solubility overview	Soluble in water (100mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	Nomega-Nitro-L-arginine methyl ester hydrochloride
Molecular Weight	269.69
Chemical structure	 <chem>CN(CCCNC(=O)N)C(=O)OC</chem>
Molecular Formula	$C_7H_{15}N_5O_4.HCl$
CAS Number	51298-62-5

Chemical name	Nomega-Nitro-L-arginine methyl ester hydrochloride
PubChem identifier	135193
SMILES	<chem>COC(=O)[C@H](CCCN=C(N)N[N+](=O)[O-])N.Cl</chem>
InChi	InChI=1S/C7H15N5O4.ClH/c1-16-6(13)5(8)3-2-4-10-7(9)11-12(14)15;/h5H,2-4,8H2,1H3,(H3,9,10,11);1H/t5-;/m0./s1
InChiKey	QBNXAGZYLSRPJK-JEDNCBNOSA-N
MDL number	MFCD00039052

References

L-NAME in the cardiovascular system - nitric oxide synthase activator?

Kopincová J *et al* (2012) Pharmacol Rep 64(3)

PubMedID [22814004](#)

Nitric oxide synthases: structure, function and inhibition.

Alderton WK *et al* (2001) Biochem J 357(Pt 3)

PubMedID [11463332](#)

Characterization of three inhibitors of endothelial nitric oxide synthase in vitro and in vivo.

Rees DD *et al* (1990) Br J Pharmacol 101(3)

PubMedID [1706208](#)
