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DATASHEET

D-NG-Monomethylarginine (D-NMMA)

Product overview

Name	D-NG-Monomethylarginine (D-NMMA)
Cat No	HB0260
Biological action	Inhibitor
Purity	>98%
Description	Inactive enantiomer of L-NMMA

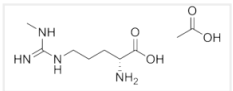
Biological Data

Biological description	Inactive enantiomer of NG-Monomethyl-L-arginine (L-NMMA), a competitive NOS inhibitor. At a concentration of 100 µM D-NMMA does not inhibit NOS. Used as a negative control for L-NMMA. Cell permeable.

Solubility & Handling

Storage instructions	+4°C
Solubility overview	Soluble in water (1mg/ml) or methanol
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

Molecular Weight	248.3
Chemical structure	
Molecular Formula	$C_7H_{16}N_4O_2$ CH_3COOH
CAS Number	137694-75-8
PubChem identifier	5702206
SMILES	CC(=O)O.CN=C(N)NCCCC(C(=O)O)N

References

Endogenous nitric oxide as a modulator of rabbit skeletal muscle microcirculation in vivo.

Persson MG *et al* (1990) Br J Pharmacol 100(3)
PubMedID 2390671

A specific inhibitor of nitric oxide formation from L-arginine attenuates endothelium-dependent relaxation.

Rees DD *et al* (1989) Br J Pharmacol 96(2)
PubMedID 2924084