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DATASHEET

NG,NG-Dimethylarginine Dihydrochloride

Product overview

Name	NG,NG-Dimethylarginine Dihydrochloride
Cat No	HB0449
Biological action	Inhibitor
Purity	>98%
Description	Competitive NOS inhibitor

Images



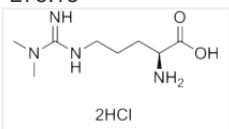
Biological Data

Biological description	Competitive NOS inhibitor. Produced endogenously. Used as a biomarker.
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Solubility & Handling

Storage instructions	Room temperature (desiccate)
Solubility overview	Soluble in water (100 mM)
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	(2S)-2-amino-5-[[amino(dimethylamino)methylidene]amino]pentanoic acid dihydrochloride
Molecular Weight	275.18
Chemical structure	
Molecular Formula	C ₈ H ₁₈ N ₄ O ₂ ·2HCl
CAS Number	220805-22-1
PubChem identifier	16219246
SMILES	CN(C)C(=NCCC[C@@H](C(=O)O)N)N.Cl.Cl
InChi	InChI=1S/C8H18N4O2.2ClH/c1-12(2)8(10)11-5-3-4-6(9)7(13)14;/h6H,3-5,9H2,1-2H3,(H2,10,11)(H,13,14);2*1H/t6-;/m0../s1

InChiKey
MDL number

SYLNVYJOPZWPJI-ILKKLZGPSA-N
MFCD00270857

References

Dimethylarginines ADMA and SDMA: the real water-soluble small toxins?

Schepers E *et al* (2014) *Semin Nephrol* 34(2)

PubMedID [24780466](#)

Monitorization of asymmetric dimethylarginine (ADMA) levels in an experimental ischemia-reperfusion flap model: a preliminary report.

Karaaslan O *et al* (2013) *J Reconstr Microsurg* 29(6)

PubMedID [23585188](#)
