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DATASHEET

Dimaprit dihydrochloride

Product overview

Name	Dimaprit dihydrochloride
Cat No	HB2626
Biological action	Agonist
Purity	>95%
Description	Selective H ₂ receptor agonist

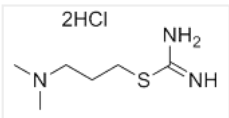
Biological Data

Biological description	Selective H ₂ receptor agonist. Also inhibits nNOS (IC ₅₀ = 49 μM for rat nNOS). Shows cytoprotective and hypotensive actions.
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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	S-(3-Dimethylaminopropyl)isothiourea dihydrochloride
Molecular Weight	234.19
Chemical structure	
Molecular Formula	C ₆ H ₁₅ N ₃ S.2HCl
CAS Number	23256-33-9
PubChem identifier	90045
SMILES	CN(C)CCCSC(=N)N.Cl.Cl
InChi	InChI=1S/C6H15N3S.2ClH/c1-9(2)4-3-5-10-6(7)8;/h3-5H2,1-2H3,(H3,7,8);2*1H
InChiKey	DFWGPLGXFMSUCW-UHFFFAOYSA-N
MDL number	MFCD00069260

References

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Nitric oxide synthase inhibition by dimaprit and dimaprit analogues.

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Parsons ME *et al* (1977) Agents Actions 7(1)

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Cardiovascular effects of the novel histamine H2 receptor agonist amthamine: interaction with the adrenergic system.

Coruzzi G *et al* (1996) Naunyn Schmiedebergs Arch Pharmacol 353(4)

PubMedID

8935708
