

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@hellobio.com



DATASHEET

S-Isopropyl-ITU hydrobromide

Product overview

Name	S-Isopropyl-ITU hydrobromide
Cat No	HB0583
Biological action	Inhibitor
Description	Potent, competitive NOS inhibitor

Biological Data

Biological description	Potent and competitive NOS inhibitor ($K_i = 5.2$ nM for mouse iNOS).
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Solubility & Handling

Solubility overview	Soluble in DMSO or water
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	199.1
Chemical structure	
CAS Number	4269-97-0
PubChem identifier	9813062
SMILES	<chem>CC(C)SC(=N)N.Br</chem>

References

Isothioureas: potent inhibitors of nitric oxide synthases with variable isoform selectivity.

Southan GJ *et al* (1995) Br J Pharmacol 114(2)

PubMedID [7533622](#)

Potent and selective inhibition of human nitric oxide synthases. Inhibition by non-amino acid isothioureas.

Garvey EP *et al* (1994) J Biol Chem 269(43)

PubMedID [7523409](#)

Mapping the active site polarity in structures of endothelial nitric oxide synthase heme domain complexed with isothioureas.

Li H *et al* (2000) J Inorg Biochem 81(3)

PubMedID [11051558](#)
