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

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

customercare-usa@hellobio.com

DATASHEET

Isoguvacine hydrochloride

Product overview

Name	Isoguvacine hydrochloride
Cat No	HB0883
Biological action	Agonist
Purity	>98%
Description	Selective $GABA_A$ receptor agonist

Images

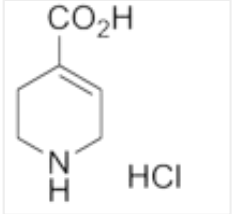
Biological Data

Biological description	Selective $GABA_A$ receptor agonist (IC_{50} = 5.6 µM). Less potent than GABA. Shows anti-epileptic actions.

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	1,2,3,6-Tetrahydro-4-pyridinecarboxylic acid hydrochloride
Molecular Weight	163.6
Chemical structure	
Molecular Formula	$C_6H_9NO_2.HCl$

CAS Number	68547-97-7
PubChem identifier	155107
SMILES	C1CNCC=C1C(=O)O.Cl
InChi	InChI=1S/C6H9NO2.ClH/c8-6(9)5-1-3-7-4-2-5;/h1,7H,2-4H2,(H,8,9);1H
InChiKey	SUWREQRNTXCCBL-UHFFFAOYSA-N
MDL number	MFCD00055192

References

Isoguvacine binding, uptake, and release: relation to the GABA system.

White WF *et al* (1983) J Neurochem 40(6)
PubMedID 6854327

Effects of gamma-aminobutyric acid (GABA) agonists and a GABA uptake inhibitor on pharmacoresistant seizure like events in organotypic hippocampal slice cultures.

Wahab A *et al* (2009) Epilepsy Res 86(2-3)
PubMedID 19535226

Isoguvacine binding, uptake, and release: relation to the GABA system.

White WF *et al* (1983) J Neurochem 40(6)
PubMedID 6854327

Understanding your inhibitions: effects of GABA and GABAA receptor modulation on brain cortical metabolism.

Nasrallah FA *et al* (2009) J Neurochem 108(1)
PubMedID 19014380