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

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

customercare-usa@hellobio.com

DATASHEET

WAY 100635 maleate

Product overview

Name	WAY 100635 maleate
Cat No	HB1790
Biological action	Antagonist
Purity	>99%
Description	Potent 5-HT_{1A} receptor antagonist. D_4 receptor agonist.

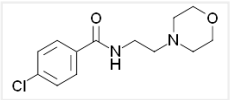
Biological Data

Biological description	Potent 5-HT_{1A} receptor antagonist (IC_{50} value = 2.2 nM). More than 100-fold selective for 5-HT_{1A} compared with other 5-HT receptors. Also acts as an agonist at D_4 receptor (IC_{50} value = 16 nM). Active *in vivo*.

Solubility & Handling

Storage instructions	room temperature (desiccate)
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	*N*-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl]-*N*-2-pyridinylcyclohexanecarboxamide maleate
Molecular Weight	538.64
Chemical structure	
Molecular Formula	$C_{25}H_{34}N_4O_2.C_4H_4O_4$
CAS Number	634908-75-1
PubChem identifier	11957721
SMILES	O=C(C4CCCCC4)N(C3=NC=CC=C3)CCN(CC2)CCN2C1=C(OC)C=CC=C1.O=C(\C=C/C(O)=O)O
InChiKey	XIGAHNVCEFUYOV-BTJKTKAUSA-N

References

A pharmacological profile of the selective silent 5-HT1A receptor antagonist, WAY-100635.

Forster EA *et al* (1995) Eur J Pharmacol 281(1)
PubMedID 8566121

WAY-100635 is a potent dopamine D4 receptor agonist.

Chemel BR *et al* (2006) Psychopharmacology (Berl) 188(2)
PubMedID 16915381

WAY 100635 produces discriminative stimulus effects in rats mediated by dopamine D(4) receptor activation.

Marona-Lewicka D *et al* (2009) Behav Pharmacol 20(1)
PubMedID 19179855