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## DATASHEET

WAY 100635 maleate

### Product overview

|                          |                                                                                 |
|--------------------------|---------------------------------------------------------------------------------|
| <b>Name</b>              | WAY 100635 maleate                                                              |
| <b>Cat No</b>            | HB1790                                                                          |
| <b>Biological action</b> | Antagonist                                                                      |
| <b>Purity</b>            | >99%                                                                            |
| <b>Description</b>       | Potent 5-HT <sub>1A</sub> receptor antagonist. D <sub>4</sub> receptor agonist. |

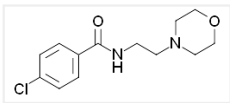
### Biological Data

|                               |                                                                                                                                                                                                                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Biological description</b> | Potent 5-HT <sub>1A</sub> receptor antagonist (IC <sub>50</sub> value = 2.2 nM). More than 100-fold selective for 5-HT <sub>1A</sub> compared with other 5-HT receptors. Also acts as an agonist at D <sub>4</sub> receptor (IC <sub>50</sub> value = 16 nM). Active <i>in vivo</i> . |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### Solubility & Handling

|                             |                                                                                                                               |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage instructions</b> | room temperature (desiccate)                                                                                                  |
| <b>Important</b>            | This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use. |

### Chemical Data

|                           |                                                                                                             |
|---------------------------|-------------------------------------------------------------------------------------------------------------|
| <b>Chemical name</b>      | N-[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl]-N-2-pyridinylcyclohexanecarboxamide maleate                  |
| <b>Molecular Weight</b>   | 538.64                                                                                                      |
| <b>Chemical structure</b> |                          |
| <b>Molecular Formula</b>  | C <sub>25</sub> H <sub>34</sub> N <sub>4</sub> O <sub>2</sub> ·C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> |
| <b>CAS Number</b>         | 634908-75-1                                                                                                 |
| <b>PubChem identifier</b> | 11957721                                                                                                    |
| <b>SMILES</b>             | O=C(C4CCCCC4)N(C3=NC=CC=C3)CCN(CC2)CCN2C1=C(OC)C=CC=C1.O=C(\C=C/C(O)=O)O                                    |
| <b>InChiKey</b>           | XIGAHNVCEFUOV-BTJTKAUSA-N                                                                                   |

### References

#### A pharmacological profile of the selective silent 5-HT<sub>1A</sub> receptor antagonist, WAY-100635.

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

**PubMedID** 8566121

#### WAY-100635 is a potent dopamine D<sub>4</sub> 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.

