

## Product datasheet

# WAY-100635 maleate, 5-HT<sub>1A</sub> receptor antagonist ab120550

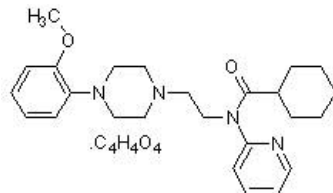
[6 References](#) [1 Image](#)

### Overview

<b>Product name</b>	WAY-100635 maleate, 5-HT <sub>1A</sub> receptor antagonist
<b>Description</b>	Potent, selective, silent 5-HT <sub>1A</sub> receptor antagonist
<b>Biological description</b>	Potent, selective, silent 5-HT <sub>1A</sub> receptor antagonist (IC <sub>50</sub> = 1.35 nM). Displays >100-fold selectivity for 5-HT <sub>1A</sub> relative to a range of other CNS receptors including other 5-HT subtypes, adrenoceptors, dopamine, GABA, histamine and ion channels. Binds selectively to rodent brain 5-HT <sub>1A</sub> receptors <i>in vivo</i> (iv admin). Unlike WAY100135, WAY100635 displays no partial agonist activity in the ventral hippocampus of rats.

**CAS Number** 634908-75-1

### Chemical structure



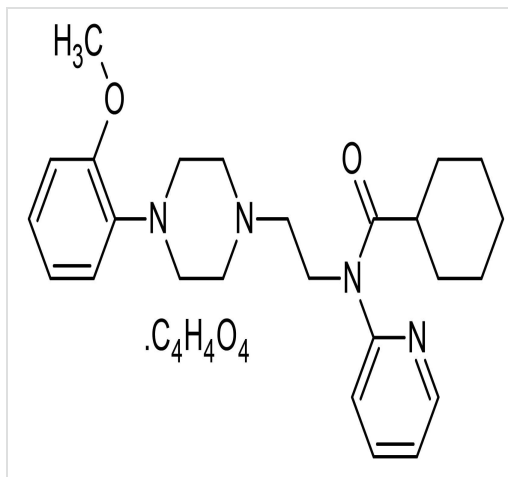
### Properties

<b>Chemical name</b>	<i>N</i> -[2-[4-(2-Methoxyphenyl)-1-piperazinyl]ethyl]- <i>N</i> -2-pyridinylcyclohexanecarboxamide maleate salt
<b>Molecular weight</b>	538.64
<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>PubChem identifier</b>	11957721
<b>Storage instructions</b>	Store at Room Temperature. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in water to 50 mM
<b>Handling</b>	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

<b>SMILES</b>	<chem>COC1=CC=CC=C1N2CCN(CC2)CCN(C3=CC=CC=N3)C(=O)C4CCCCC4.C(=C\C(=O)O)\C(=O)O</chem>
<b>Source</b>	Synthetic

## Images



2D chemical structure image of ab120550, WAY-100635 maleate, 5-HT<sub>1A</sub> receptor antagonist

Chemical Structure - WAY-100635 maleate, 5-HT<sub>1A</sub> receptor antagonist (ab120550)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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