

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

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

customercare-usa@hellobio.com



## DATASHEET

Mianserin hydrochloride

### Product overview

<b>Name</b>	Mianserin hydrochloride
<b>Cat No</b>	HB1658
<b>Biological action</b>	Antagonist
<b>Purity</b>	>99%
<b>Description</b>	Non-selective 5-HT <sub>2</sub> receptor antagonist. Shows activity at other receptors.

### Biological Data

<b>Biological description</b>	Non-selective 5-HT <sub>2</sub> receptor antagonist (K <sub>i</sub> values are 8 and 8.1 nM for h5-HT <sub>2A</sub> and 5-HT <sub>2C</sub> receptors respectively). Has moderate affinity for 5-HT <sub>6</sub> and shows action at other receptors including κ-opioid, α <sub>2</sub> and H <sub>1</sub> . Shows antidepressant and antiemetic action.
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### Solubility & Handling

<b>Storage instructions</b>	Room temperature
<b>Solubility overview</b>	Soluble in water (10mM)
<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>	1,2,3,4,10,14b-Hexahydro-2-methylid benzo[ <i>c</i> , <i>f</i> ]pyrazino[1,2- <i>a</i> ]azepine hydrochloride
<b>Molecular Weight</b>	300.83
<b>Molecular Formula</b>	C <sub>18</sub> H <sub>20</sub> N <sub>2</sub> .HCl
<b>CAS Number</b>	21535-47-7
<b>PubChem identifier</b>	68551
<b>SMILES</b>	Cl.CN1CCN2C(C1)C1=CC=CC=C1CC1=C2C=CC=C1
<b>InChiKey</b>	YNPFMWCWRVTGKJ-UHFFFAOYSA-N