



## Product Information

### MAO inhibitor, Molindone hydrochloride, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM164

**Size:** 10 mg; 20 mg; 50 mg; 100 mg

**MDL:** MFCD01718304

**CAS Number:** 15622-65-8

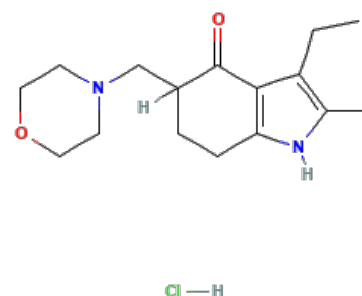
**Compound CID:** 9883259

**Synonym:** 15622-65-8; Molindone HCl; Lidone; Molindone; Molindone hydrochloride salt; Molindone HCl salt; Moban;

3-Ethyl-2-methyl-5-(morpholin-4-ylmethyl)-1,5,6,7-tetrahydroindol-4-one;

hydrochloride; MAO inhibitor

**This product is for research use only and is not intended for diagnostic use.**



#### Product Information

|                          |                                                                                                                                                                                                                                                                                                                  |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>       | Molindone hydrochloride, soluble in DMSO, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting MAO. The molecular weight of the compound is 312.83, and its molecular formula is C <sub>16</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>2</sub> . |
| <b>Molecular Weight</b>  | 312.83                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Formula</b> | C <sub>16</sub> H <sub>25</sub> ClN <sub>2</sub> O <sub>2</sub>                                                                                                                                                                                                                                                  |
| <b>IUPAC Name</b>        | 3-Ethyl-2-methyl-5-(morpholin-4-ylmethyl)-1,5,6,7-tetrahydroindol-4-one;hydrochloride                                                                                                                                                                                                                            |
| <b>InChI</b>             | InChI=1S/C16H24N2O2.ClH/c1-3-13-11(2)17-14-5-4-12(16(19)15(13)14)10-18-6-8-20-9-7-18;/h12,17H,3-10H2,1-2H3;1H                                                                                                                                                                                                    |
| <b>InChI Key</b>         | GQWNECFJGBQMBO-UHFFFAOYSA-N                                                                                                                                                                                                                                                                                      |
| <b>Canonical SMILES</b>  | CCC1=C(NC2=C1C(=O)C(CC2)CN3CCOCC3)C.Cl                                                                                                                                                                                                                                                                           |
| <b>Form</b>              | Lyophilized powder                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>            | $\geq 98\%$                                                                                                                                                                                                                                                                                                      |
| <b>Impurities</b>        | Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.                                                                                                                                                                                                                   |
| <b>Solubility</b>        | <i>In vitro</i> : DMSO: 8 mg/mL (25.56 mM)                                                                                                                                                                                                                                                                       |
| <b>Identity</b>          | Confirmed by NMR/HPLC/MS.                                                                                                                                                                                                                                                                                        |
| <b>Stability</b>         | In its lyophilized form, the chemical remains stable for 36 months.                                                                                                                                                                                                                                              |
| <b>Quality Level</b>     | Research grade                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>      | Molindone hydrochloride plays a key role in blocking dopamine receptors, which helps in reducing                                                                                                                                                                                                                 |



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psychotic symptoms.

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**Storage**

Store at -20°C, and keep desiccated.

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