

## Product Information

### Guanabenz

**Cat. No.:** X23-12-YM1487

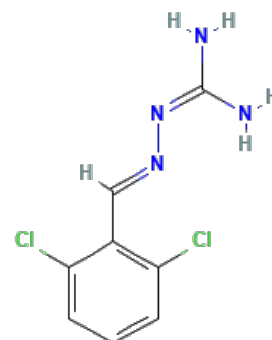
**Size:** 5 mg; 10 mg; 50 mg; 100 mg

**CAS Number:** 5051-62-7

**Compound CID:** 5702063

**Synonym:** 5051-62-7; Guanabenzum; Guanabenzo; Wy 8678

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



### Product Information

|                          |   |
|--------------------------|---|
| <b>Description</b>       | Guanabenz inhibits the signaling pathway between G-protein-coupled receptors (GPCRs) and G proteins.    |
| <b>Molecular Weight</b>  | 231.08  |
| <b>Molecular Formula</b> | C <sub>8</sub> H <sub>8</sub> Cl <sub>2</sub> N <sub>4</sub>  |
| <b>IUPAC Name</b>        | 2-[(E)-(2,6-Dichlorophenyl)methylideneamino]guanidine   |
| <b>InChI</b>             | InChI=1S/C8H8Cl2N4/c9-6-2-1-3-7(10)5(6)4-13-14-8(11)12/h1-4H,(H4,11,12,14)/b13-4+                       |
| <b>InChI Key</b>         | WDZVGELJXXEGPV-YIXHJXPBSA-N   |
| <b>Canonical SMILES</b>  | C1=CC(=C(C(=C1)Cl)C=NN=C(N)N)Cl   |
| <b>Isomeric SMILES</b>   | C1=CC(=C(C(=C1)Cl)/C=N/N=C(N)N)Cl   |
| <b>Form</b>              | Lyophilized powder  |
| <b>Purity</b>            | >98%  |
| <b>Stability</b>         | The product is stable for three years when stored at the recommended temperature in lyophilized powder. |
| <b>Applications</b>      | Guanabenz can be used for its ability to modulate neurotransmitter activity in the brain.               |
| <b>Storage</b>           | Store at -20°C, and keep desiccated.  |