

## Product Datasheet

### Terconazole (orb1306085)

|                          |                                                                                                                                                                                                                                                                                                            |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog Number</b>    | orb1306085                                                                                                                                                                                                                                                                                                 |
| <b>Category</b>          | Small Molecules                                                                                                                                                                                                                                                                                            |
| <b>Description</b>       | Terconazole is a synthetic triazole antifungal agent that inhibits ergosterol biosynthesis, compromising fungal membrane integrity and leading to cell death. It is used in research to study antifungal mechanisms and efficacy against Candida species in both in vitro and in vivo experimental models. |
| <b>Target</b>            | Antifection,Antifungal                                                                                                                                                                                                                                                                                     |
| <b>Purity</b>            | 98.00% (May vary between batches)                                                                                                                                                                                                                                                                          |
| <b>MW</b>                | 532.46                                                                                                                                                                                                                                                                                                     |
| <b>Target Areas</b>      | Antifungal Antifection                                                                                                                                                                                                                                                                                     |
| <b>Solubility (25°C)</b> | DMSO:50 mg/mL (93.9 mM);10% DMSO+40% PEG300+5% Tween 80+45% Saline:2 mg/mL (3.76 mM)                                                                                                                                                                                                                       |
| <b>CAS Number</b>        | 67915-31-5                                                                                                                                                                                                                                                                                                 |
| <b>Formula</b>           | C <sub>26</sub> H <sub>31</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>3</sub>                                                                                                                                                                                                                              |
| <b>SMILES</b>            | <chem>C([C@]1(O[C@@H](COC2=CC=C(C=C2)N3CCN(C(C)C)CC3)CO1)C4=C(Cl)C=C(Cl)C=C4)N5C=NC=N5</chem>                                                                                                                                                                                                              |
| <b>Storage</b>           | -20°C                                                                                                                                                                                                                                                                                                      |
| <b>Note</b>              | For research use only                                                                                                                                                                                                                                                                                      |
| <b>Expiration Date</b>   | 12 months from date of receipt.                                                                                                                                                                                                                                                                            |

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