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## Product Datasheet

### Ketoconazole (base), CAS [[65277-42-1]] FBM-10-1015

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Artikelname              | Ketoconazole (base), CAS [[65277-42-1]]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Artikelnummer            | FBM-10-1015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hersteller Artikelnummer | 10-1015                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Alternativnummer         | FBM-10-1015-100MG,FBM-10-1015-500MG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Hersteller               | Focus Biomolecules                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Kategorie                | Biochemikalien                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Produktbeschreibung      | Cytochrome P450 inhibitor...                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Molekulargewicht         | 531.43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Reinheit                 | >98% by TLC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Formulierung             | Off-white solid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| CAS Nummer               | [65277-42-1]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Formel                   | C <sub>26</sub> H <sub>28</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>4</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Anwendungsbeschreibung   | Ketoconazole is a broad spectrum antifungal agent which acts via inhibition of a cytochrome P450, CYP51A1 which is a lanosterol 14-demethylase. <sup>1</sup> Also inhibits CYP3A and CYP1A1. <sup>2</sup> Inhibits adrenal steroidogenesis. <sup>3</sup> Downregulates cholesterol synthesis in drug-tolerant human lung cancer cell lines. <sup>4</sup> Blocks the biosynthesis of leukotrienes (LT) via inhibition of 5-lipoxygenase and dose dependently inhibits LT-mediated bronchoconstriction in guinea pigs. <sup>5</sup> |