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## Product Datasheet

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

Article Name	Ketoconazole (base), CAS [[65277-42-1]]
Biozol Catalog Number	FBM-10-1015
Supplier Catalog Number	10-1015
Alternative Catalog Number	FBM-10-1015-100MG,FBM-10-1015-500MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Cytochrome P450 inhibitor...
Molecular Weight	531.43
Purity	>98% by TLC
Form	Off-white solid
CAS Number	[65277-42-1]
Formula	C <sub>26</sub> H <sub>28</sub> Cl <sub>2</sub> N <sub>4</sub> O <sub>4</sub>
Application Notes	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>