Product Name: Ketoconazole

Product Number: K006

CAS Number: 65277-42-1

Molecular Formula: C\textsubscript{26}H\textsubscript{28}Cl\textsubscript{2}N\textsubscript{4}O\textsubscript{4}

Molecular Weight: 531.43

Form: Powder

Appearance: White to light yellow powder

Source: Synthetic

Melting Point: 147-151°C

Storage Conditions: 2-8°C

Description: Ketoconazole is an insoluble imidazole antimycotic compound. This product is considered a dangerous good. Quantities above 1 g may be subject to additional shipping fees. Please contact us for specific questions.

Mechanism of Action: Ketoconazole increases cell permeability by inhibiting enzymes involved in ergosterol synthesis. The increase of permeability has a toxic effect on the fungi and leads to cell death.

Spectrum: Ketoconazole is a broad spectrum antifungal agent targeting a wide variety of fungal cell membranes.

References: