Product Name: Ketoconazole
Product Number: K006
CAS Number: 65277-42-1
Molecular Formula: $C_{26}H_{28}Cl_2N_4O_4$
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.