

## Product Datasheet

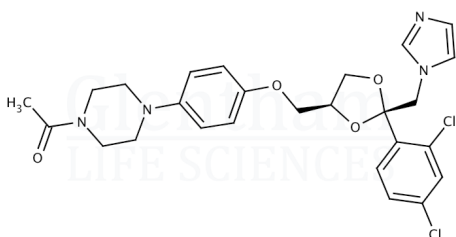
### GA1761 - Ketoconazole, EP grade

#### Product Details

Product Name	Ketoconazole, EP grade
Glentham Code	GA1761
CAS Number	65277-42-1
EINECS	265-667-4
MDL Number	MFCD00058579
Related Categories	APIs, Antibiotics, Biochemicals, Raw Materials (IVD), Antimicrobials, Antifungals

#### Structure

Molecular Weight	: 531.43
Molecular Formula	: $C_{26}H_{28}Cl_2N_4O_4$



#### Storage

Recommended storage temperature: +4°C.

#### Hazards and Transport

CLP Classification	Aquatic Chronic 1, Repr. 1B, Acute Tox. 3, STOT RE 2, Aquatic Acute 1
Signal Word	Danger
Hazard Codes	H410, H360, H301, H373, H400
Precautionary Codes	P273, P308+P313, P301+P310

#### Pictograms



UN Number, Class, PG (RID) UN2811 - 6.1 - PG III

#### Glentham Product Specification

Physical Description	: White to almost white powder
Melting Point	: 148 - 152 °C
Identification	: B, C, D according to EP
Solubility (10% in Dichloromethane)	: Clear, colourless solution ( $\leq$ BY4)
Specific Optical Rotation	: -0.10 - +0.10 °
Related Substances	: $\leq$ 0.5% (total)
Loss on Drying	: $\leq$ 0.5% (105°C)
Sulphated Ash	: $\leq$ 0.1%
Assay (Titration)	: 99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	: EP
Version	: v1.0

#### About Ketoconazole, EP grade

Ketoconazole is an imidazole with broad-spectrum antifungal properties. Ketoconazole works by inhibiting cytochrome P-450 and preventing the biosynthesis of fungal steroids. It is present in a range of antifungal medications and is most commonly used as a topical treatment. Research has shown that ketoconazole may also have antitumour activity.

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