

Product datasheet

Ketoconazole ab120620

Overview

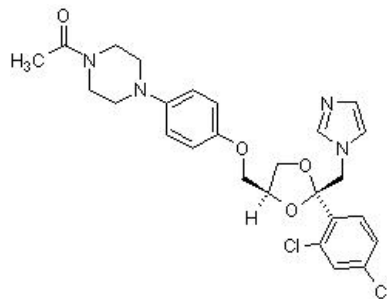
Product name	Ketoconazole
Description	Potent cytochrome P450 inhibitor. Antifungal agent.
Biological description	Potent cytochrome P450 inhibitor (K_i values are 26.7 and 109 nM at CYP3A4 and CYP3A5, respectively). Antifungal agent. Additionally, shows activity at human androgen receptors.
Purity	> 99%

Properties

Chemical name (±)-*cis*-1-Acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1*H*-imidazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]piperazine

Molecular weight 531.44

Chemical structure



Molecular formula $C_{26}H_{28}Cl_2N_4O_4$

CAS Number 65277-42-1

PubChem identifier 456201

Storage instructions Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.

Solubility overview Soluble in DMSO to 75 mM and in ethanol to 50 mM

Handling Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

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