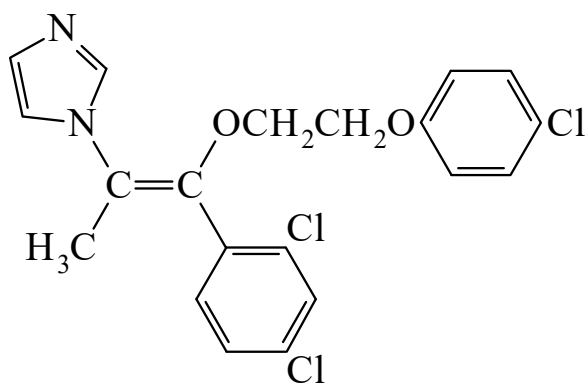




>>Entry Name: Omoconazole, INN

Synonym(s): 1-[2-[2-(4-Chlorophenoxy)ethoxy]-2-(2,4-dichlorophenyl)-1-methylethenyl]-1*H*-imidazole, 9Cl. 1-[[2,4-Dichloro-β-(2-*p*-chlorophenoxy)ethoxy]-α-methylstyryl]imidazole, 8Cl. Azameno. Fangorex. Fongamil. Fongarex. Melur. Omotrex. CM 8282. Sgd 12878



Molecular Formula: C₂₀H₁₇Cl₃N₂O₂

Molecular Weight: 423.725

Accurate Mass: 422.035559

Percentage Composition: C 56.69%; H 4.04%; Cl 25.10%; N 6.61%; O 7.55%

Use/Importance: Fungicide

Physical Description: Cryst. (EtOAc/hexane)

Melting Point: Mp 89-90°

Calculated Log P Data: Log P 6.82 (uncertain value) (calc)

>>Variant: (*E*)-form

CAS Registry Number: 111122-37-3

Molecular Formula: C₂₀H₁₇Cl₃N₂O₂

Molecular Weight: 423.725

Accurate Mass: 422.035559

Percentage Composition: C 56.69%; H 4.04%; Cl 25.10%; N 6.61%; O 7.55%

>>Derivative: Nitrate

CAS Registry Number: 111122-38-4

Extra CAS Registry Numbers(s): 74299-76-6

Melting Point: Mp 145-147°

>>Variant: (*Z*)-form

CAS Registry Number: 74512-12-2

Molecular Formula: C₂₀H₁₇Cl₃N₂O₂

Molecular Weight: 423.725

Accurate Mass: 422.035559

Percentage Composition: C 56.69%; H 4.04%; Cl 25.10%; N 6.61%; O 7.55%

Other Data: Pharmacol. active isomer

>>Derivative: Nitrate

Synonym(s): Omoconazole nitrate, USAN

CAS Registry Number: 83621-06-1

Melting Point: Mp 117-121°

Solubility: Sol. MeOH; sl. sol. H₂O

Hazard & Toxicity: LD₅₀ (mus, orl) 4700 mg/kg

References:

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Uchida, K. *et al.*, *Jpn. J. Pharmacol.*, 1993, **46**, 773-780; 1996, **49**, 818-823, (*pharmacol*)
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