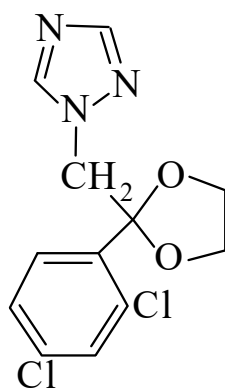




>>Entry Name: Azaconazole, BSI, INN, ISO, USAN

Synonym(s): 1-[[2-(2,4-Dichlorophenyl)-1,3-dioxolan-2-yl]methyl]-1H-1,2,4-triazole, 9Cl. 2-(2,4-Dichlorophenyl)-2-(1,2,4-triazol-1-yl)-1,3-dioxole. R-28644



CAS Registry Number: 60207-31-0

Molecular Formula: C₁₂H₁₁Cl₂N₃O₂

Molecular Weight: 300.143

Accurate Mass: 299.022831

Percentage Composition: C 48.02%; H 3.69%; Cl 23.62%; N 14.00%; O 10.66%

Use/Importance: Antifungal agent. Steroid demethylation inhibitor

Physical Description: Cryst. (diisopropyl ether)

Melting Point: Mp 109.9°

pKa Value: pK_a 3

Calculated Log P Data: Log P 2.55 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 308 mg/kg

References:

Ger. Pat., 1976, *Janssen*, 2 551 560; *CA*, **85**, 94368f, (*synth, use*)

Van Gestel, J. *et al.*, *Pestic. Sci.*, 1980, **11**, 95, (*synth, use*)

Heeres, J., *Pestic. Sci.*, 1984, **15**, 268, (*struct, activity*)

Rankin, G.O. *et al.*, *Toxicology*, 1985, **34**, 1

Ebert, E. *et al.*, *Z. Naturforsch., C*, 1989, **44**, 85, (*activity*)

Pesticide Manual, 9th edn., 1991, 43