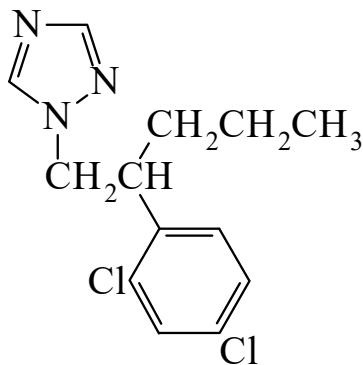




>>Entry Name: Penconazole, BSI

Synonym(s): 1-[2-(2,4-Dichlorophenyl)pentyl]-1*H*-1,2,4-triazole, 9Cl. Topas. Topaz. CGA 71818



CAS Registry Number: 66246-88-6

Molecular Formula: C<sub>13</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>3</sub>

Molecular Weight: 284.187

Accurate Mass: 283.064301

Percentage Composition: C 54.94%; H 5.32%; Cl 24.95%; N 14.79%

>>Variant: (±)-form

Molecular Formula: C<sub>13</sub>H<sub>15</sub>Cl<sub>2</sub>N<sub>3</sub>

Molecular Weight: 284.187

Accurate Mass: 283.064301

Percentage Composition: C 54.94%; H 5.32%; Cl 24.95%; N 14.79%

Use/Importance: Fungicide. Steroid demethylation inhibitor

Physical Description: Cryst.

Melting Point: Mp 60°

Hazard & Toxicity: LD<sub>50</sub> (rat, orl) 2125 mg/kg

#### References:

*Ger. Pat.*, 1978, 2 735 872; *CA*, **88**, 190842p, (*synth, activity*)

Berg, D., *ACS Symp. Ser.*, 1986, **304**, 25, (*rev*)

Gisi, U. *et al.*, *Br. Crop Prot. Conf. - Pests Dis., Proc.*, 1986, 857, (*biol, activity*)

*Pesticide Manual*, 9th edn., 1991, No. 9375