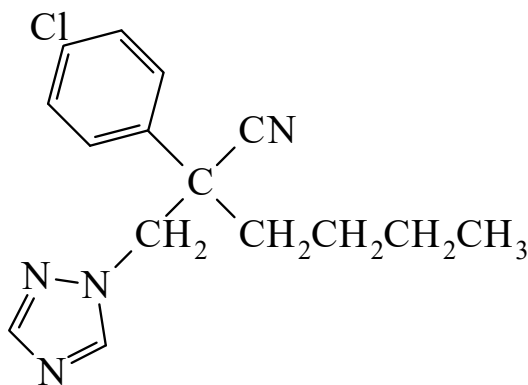




>>Entry Name: Myclobutanil, ANSI, BSI

Synonym(s): α -Butyl- α -(4-chlorophenyl)-1*H*-1,2,4-triazole-1-propanenitrile, 9Cl. 2-*p*-Chlorophenyl-2-(1*H*-1,2,4-triazol-1-ylmethyl)hexanenitrile. Systhane. RH 3866



CAS Registry Number: 88671-89-0

Molecular Formula: C₁₅H₁₇ClN₄

Molecular Weight: 288.779

Accurate Mass: 288.114173

Percentage Composition: C 62.39%; H 5.93%; Cl 12.28%; N 19.40%

Use/Importance: Fungicide. Steroid demethylation inhibitor

>>Variant: (±)-form

Molecular Formula: C₁₅H₁₇ClN₄

Molecular Weight: 288.779

Accurate Mass: 288.114173

Percentage Composition: C 62.39%; H 5.93%; Cl 12.28%; N 19.40%

Physical Description: Pale yellow solid

Melting Point: Mp 63-68°

Boiling Point: Bp₁ 202-208°

Hazard & Toxicity: LD₅₀ (rat, orl) 1600 mg/kg

References:

Quinn, J.A. *et al.*, *Pestic. Sci.*, 1986, **17**, 357, (activity)

Fujimoto, T.T. *et al.*, *ACS Symp. Ser.*, 1987, **355**, 318, (rev, synth, activity)

Liao, W. *et al.*, *J. Assoc. Off. Anal. Chem.*, 1991, **74**, 554, (detn, glc, ms)

Pesticide Manual, 9th edn., 1991, No. 8728