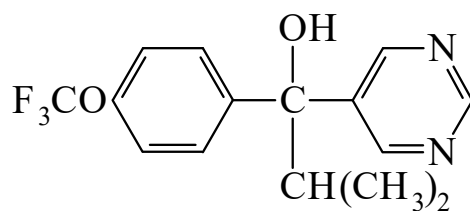




>>Entry Name: Flurprimidol, ANSI, BSI, ISO

Synonym(s): α -(1-Methylethyl)- α -[4-(trifluoromethoxy)phenyl]-5-pyrimidinemethanol, 9CI. 2-Methyl-1-(5-pyrimidinyl)-1-(4-trifluoromethoxyphenyl)-1-propanol. Cutless. EL 500



CAS Registry Number: 56425-91-3

Molecular Formula: C₁₅H₁₅F₃N₂O₂

Molecular Weight: 312.291

Accurate Mass: 312.108562

Percentage Composition: C 57.69%; H 4.84%; F 18.25%; N 8.97%; O 10.25%

Use/Importance: Plant growth regulator. Gibberellin synth. inhibitor

Physical Description: Cryst.

Melting Point: Mp 94-96°

Hazard & Toxicity: LD₅₀ (rat, orl) 709 mg/kg

References:

U.S. Pat., 1977, 4 002 628; *CA*, **86**, 155686c, (*synth, activity*)

Devlin, R.M. *et al.*, *Proc. Plant Growth Regul. Soc. Am.*, 12th, 1985, 243, (*activity*)

Sterrett, J.P. *et al.*, *J. Am. Soc. Hortic. Sci.*, 1987, **112**, 341, (*metab*)

Pesticide Manual, 9th edn., 1991, No. 6660