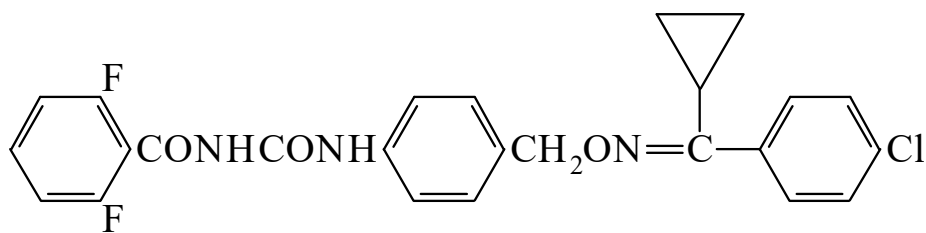




>>Entry Name: Flucycloxuron, BSI

Synonym(s): *N*-[[[4-[[[(4-Chlorophenyl)cyclopropylmethylene]amino]oxy]methyl]phenyl]amino]carbonyl]-2,6-difluorobenzamide, 9Cl. 1-[α -(4-Chloro- α -cyclopropylbenzylideneaminoxy)-*p*-tolyl]-3-(2,6-difluorobenzoyl)urea



CAS Registry Number: 113036-88-7

Related CAS Registry Numbers(s): 94050-52-9 94050-53-0

Molecular Formula: C₂₅H₂₀ClF₂N₃O₃

Molecular Weight: 483.901

Accurate Mass: 483.116125

Percentage Composition: C 62.05%; H 4.17%; Cl 7.33%; F 7.85%; N 8.68%; O 9.92%

Use/Importance: Acaricide. Chitin synth. inhibitor. Insect growth regulator

Physical Description: Off-white cryst.

Melting Point: Mp 143.6 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

References:

Eur. Pat., 1984, 117 320; *CA*, **102**, 45644d, (*synth, activity*)

Grosscurt, A.C. *et al.*, *Pestic. Sci.*, 1988, **22**, 51, (*activity*)

Grosscurt, A.C. *et al.*, *Entomol. Exp. Appl.*, 1991, **59**, 239, (*activity*)

Pesticide Manual, 9th edn., 1991, No. 6435