>>**Entry Name: Diflubenzuron,** ANSI, BSI, ISO

ENTRY UNDER REVIEW

Synonym(s): *N*-[[(4-Chlorophenyl)amino]carbonyl]-2,6-difluorobenzamide, 9CI. 1-(4-Chlorophenyl)-3-(2,6-difluorobenzoyl)urea. Dimilin

CAS Registry Number: 35367-38-5

Molecular Formula: $C_{14}H_9ClF_2N_2O_2$

Molecular Weight: 310.687

Accurate Mass: 310.032061

Percentage Composition: C 54.12%; H 2.92%; Cl 11.41%; F 12.23%; N 9.02%; O 10.30%

Use/Importance: Insecticide, interfering with chitin deposition by oral absorption used on cotton, ssoya beans, citrus, tea, vegetables and mushrooms. Also used as an insecticide in feed for poultry and pigs and as a controlled release bolus in cattle

Physical Description: Cryst.

Melting Point: Mp 230-232 dec.°

pKa Value: pK_a 13.92

Hazard & Toxicity: LD_{50} (rat, orl) 4640 mg/kg; LD_{50} (rbt, skn) 2000 mg/kg

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