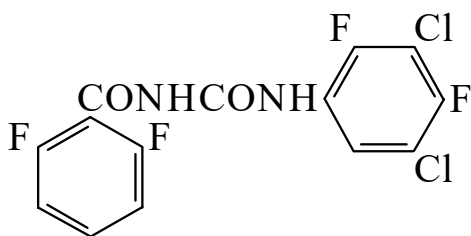




>>Entry Name: Teflubenzuron, BSI

Synonym(s): *N*-[[[(3,5-Dichloro-2,4-difluorophenyl)amino]carbonyl]-2,6-difluorobenzamide, 9Cl. 1-(3,5-Dichloro-2,4-difluorophenyl)-3-(2,6-difluorobenzoyl)urea. Nomolt. Dart. CME 134



CAS Registry Number: 83121-18-0

Molecular Formula: C₁₄H₆Cl₂F₄N₂O₂

Molecular Weight: 381.113

Accurate Mass: 379.974244

Percentage Composition: C 44.12%; H 1.59%; Cl 18.60%; F 19.94%; N 7.35%; O 8.40%

Use/Importance: Insecticide. Chitin synth. inhibitor

Physical Description: Solid

Melting Point: Mp 222.5°

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

References:

Tecele, B. *et al.*, *J. Agric. Food Chem.*, 1988, **36**, 178

Hegazy, G. *et al.*, *Meded. Fac. Landbouwwet., Rijksuniv. Gent*, 1989, **54**, 103, (activity)

Clarke, B.S. *et al.*, *Pestic. Sci.*, 1990, **28**, 377, (activity)

Nakagawa, Y. *et al.*, *Pestic. Biochem. Physiol.*, 1991, **40**, 12, (synth, activity)

Pesticide Manual, 9th edn., 1991, No. 11235