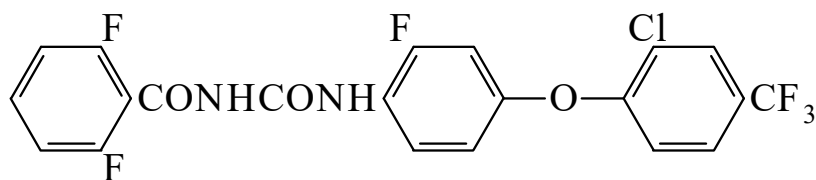




>>Entry Name: Flufenoxuron, BSI

Synonym(s): *N*-[[[4-[2-Chloro-4-(trifluoromethyl)phenoxy]-2-fluorophenyl]amino]carbonyl]-2,6-difluorobenzamide. 1-[4-(2-Chloro- α,α,α -trifluoro-*p*-tolxy)-2-fluorophenyl]-3-(2,6-difluorobenzoyl)urea. Cascade



CAS Registry Number: 101463-69-8

Related CAS Registry Numbers(s): 127723-79-9

Molecular Formula: C₂₁H₁₁ClF₆N₂O₃

Molecular Weight: 488.773

Accurate Mass: 488.036238

Percentage Composition: C 51.60%; H 2.27%; Cl 7.25%; F 23.32%; N 5.73%; O 9.82%

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

Physical Description: Solid

Melting Point: Mp 169-172 dec.°

Hazard & Toxicity: LD₅₀ (rat, orl) >2000 mg/kg

References:

Eur. Pat., 1985, 161 019; *CA*, **104**, 148560u, (*synth, activity*)

Gillam, M.G., *J. Labelled Compd. Radiopharm.*, 1989, **27**, 1409, (*synth*)

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

Pesticide Manual, 9th edn., 1991, No. 6465