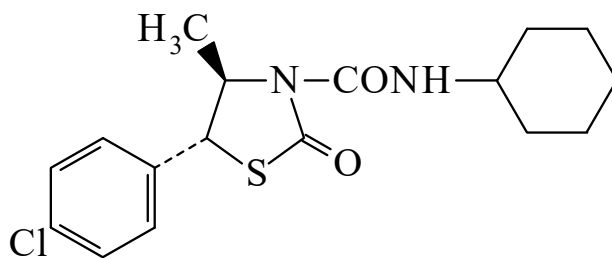




>>Entry Name: Hexythiazox, ANSI, BSI, ISO

Synonym(s): 5-(4-Chlorophenyl)-N-cyclohexyl-4-methyl-2-oxo-3-thiazolidinecarboxamide, 9Cl. Nissorun. Le'sar. Savey. NA 73



CAS Registry Number: 91451-90-0

Related CAS Registry Numbers(s): 87827-80-3 127758-03-6

Molecular Formula: C₁₇H₂₁ClN₂O₂S

Molecular Weight: 352.884

Accurate Mass: 352.101225

Percentage Composition: C 57.86%; H 6.00%; Cl 10.05%; N 7.94%; O 9.07%; S 9.09%

>>Variant: (4*RS*,5*RS*)-form

Synonym(s): (±)-*trans*-form

CAS Registry Number: 78587-05-0

Molecular Formula: C₁₇H₂₁ClN₂O₂S

Molecular Weight: 352.884

Accurate Mass: 352.101225

Percentage Composition: C 57.86%; H 6.00%; Cl 10.05%; N 7.94%; O 9.07%; S 9.09%

Use/Importance: Non-systemic acaricide

Physical Description: Cryst.

Melting Point: Mp 108-108.5°

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

References:

Nippon Soda Co., *Jpn. Pestic. Inf.*, 1984, **44**, 21, (*activity, use, tox*)

Welty, C. *et al.*, *J. Econ. Entomol.*, 1988, **81**, 586, (*activity*)

Kasahara, I. *et al.*, *ACS Symp. Ser.*, 1991, **443**, 340, (*synth, activity*)

Pesticide Manual, 9th edn., 1991, No. 7140