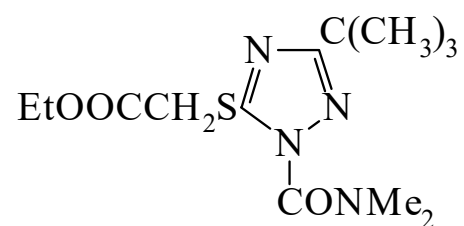




>>Entry Name: Triazamate, BSI

Synonym(s): Ethyl [[1-[(dimethylamino)carbonyl]-3-(1,1-dimethylethyl)-1*H*-1,2,4-triazol-5-yl]thio]acetate, 9Cl. Ethyl (3-*tert*-butyl-1-dimethylcarbamoyl-1*H*-1,2,4-triazol-5-ylthio)acetate. 1-Dimethylcarbamoyl-3-*tert*-butyl-5-(carbethoxymethylthio)-1,2,4-triazole. Aphistar. Aztec. RH 7988



CAS Registry Number: 112143-82-5

Molecular Formula: C₁₃H₂₂N₄O₃S

Molecular Weight: 314.408

Accurate Mass: 314.141261

Percentage Composition: C 49.66%; H 7.05%; N 17.82%; O 15.27%; S 10.20%

Biological Use/Importance: Insecticide, aphicide

Physical Description: Off-white powder

Melting Point: Mp 60° (55°)

Boiling Point: Bp_{0.1} 148-160°

Hazard & Toxicity: LD₅₀ (rat, orl) 50-200 mg/kg

References:

Eur. Pat., 1987, 213 718; *CA*, **107**, 193055, (*synth, activity*)

Jacobsen, R.M. *et al.*, *ACS Symp. Ser.*, 1991, **443**, 322, (*activity*)

McLeod, P., *J. Econ. Entomol.*, 1991, **84**, 1558, (*activity*)

Agrochemicals Handbook, 3rd edn., Royal Society of Chemistry, 1992, A1213

Pesticide Manual, 12th edn., 2000, No. 774