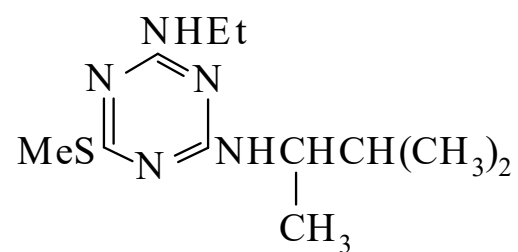




>>Entry Name: Dimethametryn

Synonym(s): *N*-(1,2-Dimethylpropyl)-*N'*-ethyl-6-(methylthio)-1,3,5-triazine-2,4-diamine, 9Cl. 2-(1,2-Dimethylpropylamino)-4-ethylamino-6-methylthio-1,3,5-triazine



CAS Registry Number: 22936-75-0

Molecular Formula: C₁₁H₂₁N₅S

Molecular Weight: 255.386

Accurate Mass: 255.151765

Percentage Composition: C 51.73%; H 8.29%; N 27.42%; S 12.56%

Hazard & Toxicity: LD₅₀ (rat, orl) 3000 mg/kg

>>Variant: (±)-form

Molecular Formula: C₁₁H₂₁N₅S

Molecular Weight: 255.386

Accurate Mass: 255.151765

Percentage Composition: C 51.73%; H 8.29%; N 27.42%; S 12.56%

Use/Importance: Selective herbicide

Physical Description: Solid

Melting Point: Mp 65°

Boiling Point: Bp_{0.05} 151-153°

Solubility: V. spar. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 3000 mg/kg

References:

U.S. Pat., 1974, 3 799 925; *CA*, **81**, 3973c, (*synth, activity*)

Mayer, P. *et al.*, *Agric. Biol. Chem.*, 1981, **45**, 361, (*metab*)

Parker, C.E. *et al.*, *J. Chromatogr.*, 1982, **242**, 77, (*hplc*)

Pesticide Manual, 9th edn., 1991, No. 4850