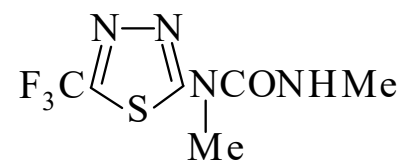




>>Entry Name: Thiazafluron, BSI

Synonym(s): *N,N'*-Dimethyl-*N*-[5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]urea, 9CI. 1,3-Dimethyl-1-(5-trifluoromethyl-1,3,4-thiadiazol-2-yl)urea. Erbotan. Thiazfluron



CAS Registry Number: 25366-23-8

Molecular Formula: C₆H₇F₃N₄OS

Molecular Weight: 240.209

Accurate Mass: 240.029265

Percentage Composition: C 30.00%; H 2.94%; F 23.73%; N 23.32%; O 6.66%; S 13.35%

Use/Importance: Total herbicide

Physical Description: Cryst. solid

Melting Point: Mp 136-137°

Solubility: Spar. sol. H₂O

Hazard & Toxicity: LD₅₀ (rat, orl) 278 mg/kg

References:

U.K. Pat., 1967, 1 254 468; *CA*, **72**, 12734s, (*synth, activity*)

Pribyl, J. *et al.*, *J. Chromatogr.*, 1978, **166**, 272, (*detn*)

Pesticide Manual, 9th edn., 1991, No. 11520