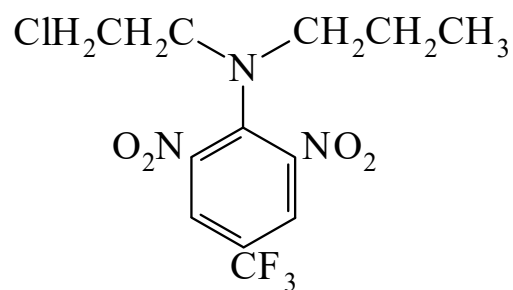




>>Entry Name: Fluchloralin, ANSI, BSI, ISO, WSSA

Synonym(s): *N*-(2-Chloroethyl)-2,6-dinitro-*N*-propyl-4-(trifluoromethyl)benzenamine, 9Cl. *N*-(2-Chloroethyl)- α,α,α -trifluoro-2,6-dinitro-*N*-propyl-*p*-toluidine



CAS Registry Number: 33245-39-5

Molecular Formula: $C_{12}H_{13}ClF_3N_3O_4$

Molecular Weight: 355.7

Accurate Mass: 355.054668

Percentage Composition: C 40.52%; H 3.68%; Cl 9.97%; F 16.02%; N 11.81%; O 17.99%

Use/Importance: Herbicide. Cell division inhibitor

Physical Description: Orange-yellow solid

Melting Point: Mp 47-48° (42-43°)

Other Data: Commercial use discontinued (1985)

Hazard & Toxicity: LD₅₀ (rat, orl) 2940 mg/kg

References:

Nestler, H.J. *et al.*, *Annalen*, 1974, 460, (*synth, pmr*)

Kearney, P.C. *et al.*, *Pestic. Biochem. Physiol.*, 1976, **6**, 229, (*activity*)

Helling, C.S. *et al.*, *J. Agric. Food Chem.*, 1978, **26**, 1156, (*activity*)

Makhopadhyay, S.K. *et al.*, *Pesticides*, 1985, **19**, 15, (*activity*)

Pesticide Manual, 9th edn., 1991, No. 6420

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, FDA900