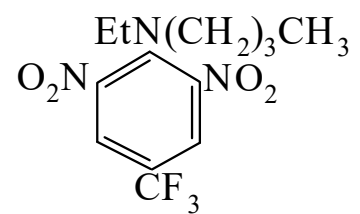




>>Entry Name: Benfluralin, BSI, ISO

Synonym(s): *N*-Butyl-*N*-ethyl-2,6-dinitro-4-(trifluoromethyl)benzenamine, 9CI. *N*-Butyl-*N*-ethyl- α,α,α -trifluoro-2,6-dinitro-*p*-toluidine. Balan. Bonalan. Benefin, WSSA. Bethrodine, JMAF. Flubalex. Benefex



CAS Registry Number: 1861-40-1

Molecular Formula: C₁₃H₁₆F₃N₃O₄

Molecular Weight: 335.282

Accurate Mass: 335.109291

Percentage Composition: C 46.57%; H 4.81%; F 17.00%; N 12.53%; O 19.09%

Use/Importance: Preemergent herbicide, low acute oral toxicity

Physical Description: Yellow-orange cryst.

Melting Point: Mp 65-66.5°

Hazard & Toxicity: LD₅₀ (rat, orl) >10000 mg/kg

Supelco: R42-7520

References:

U.S. Pat., 1962, 3 257 190; *CA*, **65**, 13606e

Suprock, J.F. *et al.*, *J. Assoc. Off. Anal. Chem.*, 1987, **70**, 1014, (*detn*)

Dangerous Prop. Ind. Mater. Rep., 1990, **10**, 44, (*rev*)

Pesticide Manual, 9th edn., 1991, No. 690

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