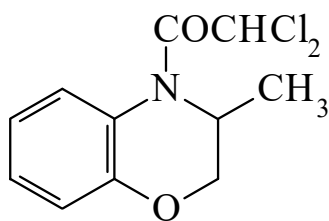




>>Entry Name: Benoxacor, BSI

Synonym(s): 4-(Dichloroacetyl)-3,4-dihydro-3-methyl-2*H*-1,4-benzoxazine, 9Cl. 2,2-Dichloro-1-(3,4-dihydro-3-methyl-2*H*-1,4-benzoxazin-4-yl)ethanone. CGA 154281



CAS Registry Number: 98730-04-2

Molecular Formula: C₁₁H₁₁Cl₂NO₂

Molecular Weight: 260.119

Accurate Mass: 259.016683

Percentage Composition: C 50.79%; H 4.26%; Cl 27.26%; N 5.38%; O 12.30%

>>Variant: (±)-form

Molecular Formula: C₁₁H₁₁Cl₂NO₂

Molecular Weight: 260.119

Accurate Mass: 259.016683

Percentage Composition: C 50.79%; H 4.26%; Cl 27.26%; N 5.38%; O 12.30%

Use/Importance: Herbicide safener

Physical Description: Solid

Melting Point: Mp 107.6°

Hazard & Toxicity: LD₅₀ (rat, orl) >5000 mg/kg

References:

Eur. Pat., 1985, 149 974; *CA*, **103**, 174050b, (*synth, activity*)

Farago, S. *et al.*, *Plant Physiol.*, 1990, **94**, 1808, (*use*)

Pesticide Manual, 9th edn., 1991, No. 725

Cottingham, C.K. *et al.*, *Z. Naturforsch., C*, 1991, **46**, 846, (*activity*)