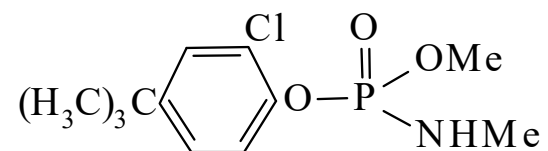




>>Entry Name: Crufomate, BAN, BSI, INN, USAN

Synonym(s): 2-Chloro-4-(1,1-dimethylethyl)phenyl methyl methylphosphoramidate, 9Cl. (4-*tert*-Butyl-2-chlorophenyl) methyl methylphosphoramidate, 8Cl. Amidophos. Montrel. Ruelene. Dowco 132. ENT 25602-x



CAS Registry Number: 299-86-5

Molecular Formula: C₁₂H₁₉ClNO₃P

Molecular Weight: 291.713

Accurate Mass: 291.079108

Percentage Composition: C 49.41%; H 6.56%; Cl 12.15%; N 4.80%; O 16.45%; P 10.62%

Use/Importance: Insecticide, veterinary anthelmintic. Now superseded

Physical Description: Cryst. (petrol or CCl₄) (coml. prod. may be an oil)

Melting Point: Mp 60-60.5°

Solubility: Sol. Me₂CO, CCl₄, C₆H₆; insol. H₂O

Calculated Log P Data: Log P 3.33 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 460 mg/kg. Exp. reprod. effects

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