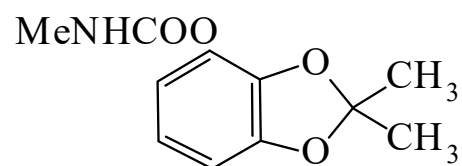




>>Entry Name: **Bendiocarb**, ANSI, BSI, ISO

Synonym(s): 2,2-Dimethyl-1,3-benzodioxol-4-yl methylcarbamate, 9CI. 2,3-Isopropylidenedioxyphenyl methylcarbamate. Ficam. Garvox. Seedox. Niomil. Bencarbate



CAS Registry Number: 22781-23-3

Molecular Formula: C₁₁H₁₃NO₄

Molecular Weight: 223.228

Accurate Mass: 223.084459

Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%

Use/Importance: Agricultural and public health insecticide. Cholinesterase inhibitor

Physical Description: Cryst.

Melting Point: Mp 129-130°

Solubility: V. spar. sol. H₂O

pKa Value: pK_a 8.8

Hazard & Toxicity: LD₅₀ (rat, orl) 40 mg/kg. LD₅₀ (rat, skn) 1000 mg/kg. Mild cholinergic effects in humans at *ca.* 0.15-0.2 mg/kg

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