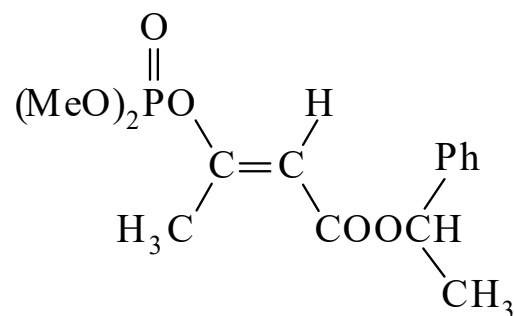




>>Entry Name: **Crotoxyphos**, BSI, ISO

Synonym(s): 1-Phenylethyl 3-[(dimethoxyphosphinyl)oxy]-2-butenate, 9CI. 3-Hydroxycrotonic acid α -methylbenzyl ester dimethylphosphate, 8CI. Dimethyl 1-methyl-2-(1-phenylethoxycarbonyl)vinyl phosphate. α -Methylbenzyl 3-(dimethoxyphosphinyloxy)isocrotonate. **Crotoxyfos**, BAN. Ciodrin



CAS Registry Number: 326-12-5

Molecular Formula: C₁₄H₁₉O₆P

Molecular Weight: 314.274

Accurate Mass: 314.091927

Percentage Composition: C 53.51%; H 6.09%; O 30.55%; P 9.86%

General Statement: Coml. samples contain ca. 80% (*E*)-form

Calculated Log P Data: Log P 2.89 (uncertain value) (calc)

>>Variant: ($\pm$)-(*E*)-form

CAS Registry Number: 7700-17-6

Molecular Formula: C₁₄H₁₉O₆P

Molecular Weight: 314.274

Accurate Mass: 314.091927

Percentage Composition: C 53.51%; H 6.09%; O 30.55%; P 9.86%

Use/Importance: Insecticide for external use on livestock. Cholinesterase inhibitor. Now superseded

Physical Description: Straw-coloured liq. (tech.)

Boiling Point: Bp_{0.03} 135°

Density: d₂₅ 1.19

Refractive Index: n_D²⁵ 1.4988

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