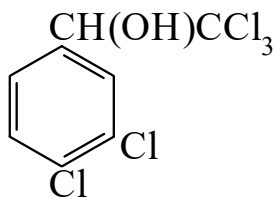




>>Entry Name: 2,2,2-Trichloro-1-(3,4-dichlorophenyl)ethanol

Synonym(s): 3,4-Dichloro- α -(trichloromethyl)benzyl alcohol. 3,4-Dichloro- α -(trichloromethyl)benzenemethanol, 9Cl



CAS Registry Number: 5331-95-3

Molecular Formula: C₈H₅Cl₅O

Molecular Weight: 294.39

Accurate Mass: 291.8783

Percentage Composition: C 32.64%; H 1.71%; Cl 60.21%; O 5.43%

Calculated Log P Data: Log P 4.5 (calc)

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

Molecular Formula: C₈H₅Cl₅O

Molecular Weight: 294.39

Accurate Mass: 291.8783

Percentage Composition: C 32.64%; H 1.71%; Cl 60.21%; O 5.43%

Physical Description: Visc. oil

Boiling Point: Bp_{1,8} 144-147°. Bp_{0,6} 153-154°

>>Derivative: Ac

Synonym(s): Plifenate. Benzethazet. Penfenate. Bay o 3768. Baygom MEB. Bay-Meb 6046. Acetofenate

CAS Registry Number: 21757-82-4

Molecular Formula: C₁₀H₇Cl₅O₂

Molecular Weight: 336.428

Accurate Mass: 333.888865

Percentage Composition: C 35.70%; H 2.10%; Cl 52.69%; O 9.51%

Use/Importance: Public health insecticide and mothproofer. Now superseded

Melting Point: Mp 92°

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

References:

U.S. Pat., 1949, *CIBA*, 2 477 978; *CA*, **44**, 1137i, (*synth*)

Riemschneider, R., *Monatsh. Chem.*, 1951, **82**, 600, (*synth, deriv*)

Crooy, P., *Ind. Chim. Belg.*, 1967, **32**, 268, (*synth*)

Ger. Pat., 1978, 2 644 590; *CA*, **89**, 23992, (*synth, deriv*)

Pesticide Manual, 8th edn., 1987, No. 11960