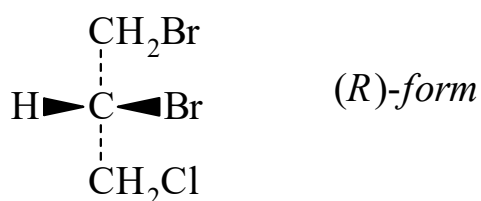




>>Entry Name: 1,2-Dibromo-3-chloropropane, 9Cl, 8Cl

Synonym(s): DBCP. Fumazone. Nemaforme. Nemagon



CAS Registry Number: 96-12-8

Related CAS Registry Numbers(s): 145667-73-8

Molecular Formula: C₃H₅Br₂Cl

Molecular Weight: 236.333

Accurate Mass: 233.884649

Percentage Composition: C 15.25%; H 2.13%; Br 67.62%; Cl 15.00%

Hazard & Toxicity: Suspect cause of human male infertility from occup. exposure. Poss. human carcinogen. Eye and skin irritant. LD₅₀ (rat, orl) 170 mg/kg. LD₅₀ (rbt, skn) 1400 mg/kg. Exp. carcinogen and teratogen. Exp. reprod. effects

Rare Chemicals Library: S35940-8

Sigma: D2169

Supelco: R47-1995

>>Variant: (R)-form

CAS Registry Number: 145667-72-7

Molecular Formula: C₃H₅Br₂Cl

Molecular Weight: 236.333

Accurate Mass: 233.884649

Percentage Composition: C 15.25%; H 2.13%; Br 67.62%; Cl 15.00%

Physical Description: Liq.

Boiling Point: Bp₁₆ 78°

Optical Rotation: [α]_D²⁸ -9.2 (c, 1 in CHCl₃) (97% ee)

>>Variant: (±)-form

Molecular Formula: C₃H₅Br₂Cl

Molecular Weight: 236.333

Accurate Mass: 233.884649

Percentage Composition: C 15.25%; H 2.13%; Br 67.62%; Cl 15.00%

Use/Importance: Nematocide, soil fumigant. Was used for banana spraying; use prohibited by US EPA in 1977

Physical Description: Liq. with weak odour

Boiling Point: Bp 196°. Bp_{0.8} 21°

Density: d₄¹⁴ 2.09

References:

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