



>>Entry Name: Dibromochloromethane, 9Cl, 8Cl

Synonym(s): Chlorodibromomethane. R 20B2

CAS Registry Number: 124-48-1

CHBr₂Cl

Molecular Formula: CHBr₂Cl

Molecular Weight: 208.28

Accurate Mass: 205.853349

Percentage Composition: C 5.77%; H 0.48%; Br 76.73%; Cl 17.02%

Biological Source: Isol. from several marine algae

Use/Importance: Source of bromochlorocarbene in the presence of base and crown ether

Physical Description: Liq.

Melting Point: Fp -22°

Boiling Point: Bp 121.3-121.8° (118-122°)

Refractive Index: n_D²⁰ 1.5484

Hazard & Toxicity: LD₅₀ (rat, orl) 848 mg/kg

Aldrich: 20632-6

Fluka: 34081

Sigma: D1294

Supelco: 4-8542

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 83D, (ir)

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 122C, (nmr)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 117A, (ir)

Barrett, G.C. *et al.*, *J.C.S.(C)*, 1971, 279, (synth)

Fedorynski, M. *et al.*, *Synth. Commun.*, 1977, 287, (synth)

Gribble, G.W., *Prog. Chem. Org. Nat. Prod.*, 1996, **68**, 1, (occur)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, CFK500