



>>Entry Name: Dibromodifluoromethane

Synonym(s): Fluorocarbon 12B2. Halon 1202. Difluorodibromomethane. Freon 12B2

CAS Registry Number: 75-61-6

CBr_2F_2

Molecular Formula: CBr_2F_2

Molecular Weight: 209.816

Accurate Mass: 207.873478

Percentage Composition: C 5.72%; Br 76.17%; F 18.11%

Source/Synthesis: Obt. by bromination of Difluoromethane [DLP70-V](#)

Use/Importance: Fire-fighting agent; reagent for organic synth.

Physical Description: Colourless, heavy non-flammable liq.

Melting Point: Mp -110° (-141°)

Boiling Point: Bp 24.5° (23.2°)

Solubility: Insol. H_2O

Density: d_{15} 2.306229

Refractive Index: n_D^{20} 1.4016

Other Data: T_{crit} 198.2°

Hazard & Toxicity: Dec. to toxic carbonyl halides if strongly heated in air. OES: long-term 100 ppm; short-term 150 ppm

Aldrich: 25434-7

Fluka: 34125

References:

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Walker, N. *et al.*, *J. Magn. Reson.*, 1979, **34**, 295, (cmr)

Everett, T.S. *et al.*, *J.O.C.*, 1984, **49**, 3702, (use)

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