



>>Entry Name: Dibromofluoromethane, 9CI

Synonym(s): Fluorocarbon 21B2

CAS Registry Number: 1868-53-7

Br₂CHF

Molecular Formula: CHBr₂F

Molecular Weight: 191.825

Accurate Mass: 189.8829

Percentage Composition: C 6.26%; H 0.53%; Br 83.31%; F 9.90%

Use/Importance: Bromofluorocarbene source

Physical Description: Liq.

Melting Point: Fp 26.5°

Boiling Point: Bp 64.9°

Density: d₄²⁰ 2.42

Supelco: 44-2555

References:

Urata, Y., *CA*, 1963, **59**, 5045, (*synth*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1972, **3**, 77

Andrews, L. *et al.*, *J.A.C.S.*, 1979, **101**, 3500, (*ir*)

Somayajulu, G.R. *et al.*, *J. Magn. Reson.*, 1979, **33**, 559, (*cmr*)

Prochaska, F.T. *et al.*, *J. Mol. Spectrosc.*, 1979, **76**, 142, (*ir*)