



>>Entry Name: 1,2-Dibromo-1,1,2,2-tetrafluoroethane, 9CI

Synonym(s): Freon 114B2. Fluobrene. Halon 2402

CAS Registry Number: 124-73-2

Extra CAS Registry Numbers(s): 25497-30-7

$\text{F}_2\text{CBrCBrF}_2$

Molecular Formula: $\text{C}_2\text{Br}_2\text{F}_4$

Molecular Weight: 259.824

Accurate Mass: 257.870284

Percentage Composition: C 9.25%; Br 61.51%; F 29.25%

Source/Synthesis: Br_2 addn. prod. of Tetrafluoroethylene [CST11-K](#)

Use/Importance: Blowing agent, fire extinguishant with low tox. by inhalation

Physical Description: Liq.

Boiling Point: Bp 47°

Aldrich: 32631-3

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 129C, (*nmr*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 126D, (*ir*)

Locke, E.G., *J.A.C.S.*, 1934, **56**, 1727, (*synth*)

Pawley, G.S. *et al.*, *Acta Cryst. C*, 1988, **44**, 1249, (*struct*)