



>>Entry Name: 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-8-iodooctane

Synonym(s): Perfluorooctyl iodide

CAS Registry Number: 507-63-1

$\text{F}_3\text{C}(\text{CF}_2)_6\text{CF}_2\text{I}$

Molecular Formula: $\text{C}_8\text{F}_{17}\text{I}$

Molecular Weight: 545.965

Accurate Mass: 545.877324

Percentage Composition: C 17.60%; F 59.16%; I 23.24%

Use/Importance: Intermed. for the manuf. of oil/ H_2O repellants, surfactants and fire-extinguishing foams

Boiling Point: Bp 160-161°. Bp₁₀₃ 95°

Aldrich: 26254-4

Fluka: 77289

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 91D, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 130C, (*ir*)

Haszeldine, R.N., *J.C.S.*, 1953, 3761, (*synth*)

Ashton, D.S. *et al.*, *J. Chromatogr.*, 1974, **90**, 315, (*chromatog*)

Smart, B.E., *Kirk-Othmer Encycl. Chem. Technol.*, 3rd edn., Wiley, 1978, **10**, 869, (*props*)