



>>Entry Name: 1,1,2,2,3,3,3-Heptafluoro-1-iodopropane, 9CI

Synonym(s): Perfluoro-1-iodopropane

CAS Registry Number: 27636-85-7

Extra CAS Registry Numbers(s): 754-34-7

$\text{F}_3\text{CCF}_2\text{CF}_2\text{I}$

Molecular Formula:  $\text{C}_3\text{F}_7\text{I}$

Molecular Weight: 295.926

Accurate Mass: 295.893294

Percentage Composition: C 12.18%; F 44.94%; I 42.88%

Physical Description: Liq.

Boiling Point: Bp 41.2° (39.5°)

Density:  $d_4^{20}$  2.06213

Refractive Index:  $n_D^{20}$  1.3272

Other Data: Turns pink in air

**Hazard & Toxicity:** Eye irritant

#### References:

*Aldrich Library of FT-IR Spectra*, 1st edn., 1985, **3**, 128D, (ir)

Hauptschein, M. *et al.*, *J.A.C.S.*, 1951, **73**, 2461, (synth)

Haszeldine, R.N., *J.C.S.*, 1953, 2622, (uv)

Nodiff, E.A. *et al.*, *J.O.C.*, 1953, **18**, 235, (props)

Evans, D.F.E. *et al.*, *J.A.C.S.*, 1963, **85**, 238, (F-19 nmr)

*Fieser and Fieser's Reagents for Organic Synthesis*, Wiley, 1969, **2**, 226

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, HAY300