



>>Entry Name: 1-Iodo-2-methylpropane, 9CI

Synonym(s): Isobutyl iodide. 1-Iodoisobutane

CAS Registry Number: 513-38-2

$(\text{H}_3\text{C})_2\text{CHCH}_2\text{I}$

Molecular Formula: $\text{C}_4\text{H}_9\text{I}$

Molecular Weight: 184.02

Accurate Mass: 183.974898

Percentage Composition: C 26.11%; H 4.93%; I 68.96%

Use/Importance: Polymerisation catalyst

Physical Description: Liq.

Boiling Point: Bp 120°. Bp₂₅₀ 83°

Hazard & Toxicity: LD₅₀ (rat, ipr) 1241 mg/kg. Highly flammable, fl. p. 0/22°

Aldrich: 24473-2

Fluka: 58560

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 98C, (nmr)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 69A, (ir)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 95D, (ir)

Brauner, B., *Annalen*, 1878, **192**, 69, (synth)

Hirao, N., *Nippon Kagaku Kaishi*, 1931, **52**, 269, (synth)

U.S. Pat., 1967, 3 312 680; *CA*, **67**, 12348r, (use)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, IIV509