



>>Entry Name: 1-Iodo-3-methylbutane, 9CI, 8CI

Synonym(s): Isopentyl iodide. Isoamyl iodide

CAS Registry Number: 541-28-6

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

Molecular Formula: $\text{C}_5\text{H}_{11}\text{I}$

Molecular Weight: 198.046

Accurate Mass: 197.990548

Percentage Composition: C 30.32%; H 5.60%; I 64.08%

Physical Description: Liq. rapidly turning brown in light and air

Boiling Point: Bp 149-150°

Solubility: Spar. sol. H_2O

Density: d_4^{20} 1.5118

Hazard & Toxicity: LD₅₀ (rat, orl) 1424 mg/kg. Flammable, fl. p. 40°

References:

Michael, A. *et al.*, *Annalen*, 1911, **385**, 227, (*synth*)

Levene, P.A. *et al.*, *J. Biol. Chem.*, 1916, **27**, 433, (*synth*)

Dangyan, M.T., *CA*, 1947, **40**, 3393, (*synth*)

Afanas'ev, I.B. *et al.*, *Zh. Org. Khim.*, 1966, **2**, 423, (*synth*)