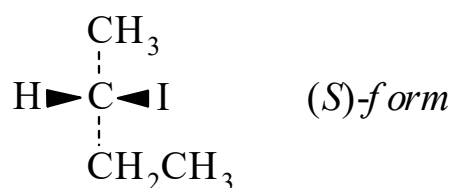




>>Entry Name: 2-Iodobutane, 9CI, 8CI

Synonym(s): *sec*-Butyl iodide



CAS Registry Number: 513-48-4

Molecular Formula: C₄H₉I

Molecular Weight: 184.02

Accurate Mass: 183.974898

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

Hazard & Toxicity: Exp. neoplastic agent. Highly flammable, fl. p. -10/21°

Aldrich: 24432-5

Fluka: 20040

Rare Chemicals Library: S55798-6

>>Variant: (S)-form

CAS Registry Number: 29882-56-2

Molecular Formula: C₄H₉I

Molecular Weight: 184.02

Accurate Mass: 183.974898

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

Physical Description: Oil

Optical Rotation: $[\alpha]_{\text{Hg}}^{24} +10.95$

>>Variant: (R)-form

CAS Registry Number: 22156-92-9

Molecular Formula: C₄H₉I

Molecular Weight: 184.02

Accurate Mass: 183.974898

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

Physical Description: Oil

Boiling Point: Bp 118° (121-122°)

Optical Rotation: $[\alpha]_{\text{D}}^{24} -15.9$ (neat). $[\alpha]_{\text{D}}^{20} -10.77$ (neat)

Density: $d_4^{20} 1.58516$

>>Variant: (±)-form

CAS Registry Number: 52152-71-3

Molecular Formula: C₄H₉I

Molecular Weight: 184.02

Accurate Mass: 183.974898

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

Physical Description: Liq., rapidly turning brown in light

Melting Point: Fp -104°

Boiling Point: Bp 119-120°. Bp₄₅ 33°

Density: $d_4^{20} 1.592$

References:

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