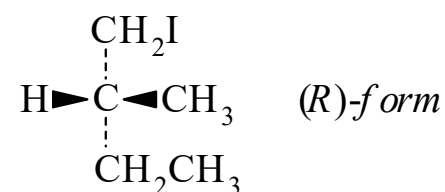




>>Entry Name: 1-Iodo-2-methylbutane, 9CI, 8CI
Synonym(s): *ac*-Amyl iodide. 2-Methylbutyl iodide



CAS Registry Number: 616-14-8

Molecular Formula: C₅H₁₁I
Molecular Weight: 198.046
Accurate Mass: 197.990548
Percentage Composition: C 30.32%; H 5.60%; I 64.08%

>>Variant: (*R*)-form

CAS Registry Number: 87106-25-0
Molecular Formula: C₅H₁₁I
Molecular Weight: 198.046
Accurate Mass: 197.990548
Percentage Composition: C 30.32%; H 5.60%; I 64.08%
Boiling Point: Bp 148°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -5.96$ (c, 2.05 in CHCl₃)

>>Variant: (*S*)-form

CAS Registry Number: 29394-58-9
Molecular Formula: C₅H₁₁I
Molecular Weight: 198.046
Accurate Mass: 197.990548
Percentage Composition: C 30.32%; H 5.60%; I 64.08%
Physical Description: Liq.
Boiling Point: Bp 148°
Optical Rotation: $[\alpha]_{\text{D}}^{26} +6.1$ (c, 2.27 in CHCl₃) (prob. >99% ee). $[\alpha]_{\text{D}}^{20} +5.8$ (c, 7 in CH₂Cl₂)
Density: d_4^{20} 1.524
Refractive Index: n_{D}^{14} 1.4966
Aldrich: 32713-1
Sigma: I0762

>>Variant: (±)-form

Molecular Formula: C₅H₁₁I
Molecular Weight: 198.046
Accurate Mass: 197.990548
Percentage Composition: C 30.32%; H 5.60%; I 64.08%
Physical Description: Liq.
Boiling Point: Bp 143-144°

References:

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