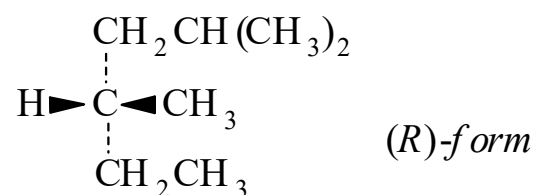




>>Entry Name: 2,4-Dimethylhexane
Synonym(s): Ethylisobutylmethylethane



CAS Registry Number: 589-43-5

Molecular Formula: C_8H_{18}
Molecular Weight: 114.23
Accurate Mass: 114.14085
Percentage Composition: C 84.12%; H 15.88%
Hazard & Toxicity: High vapour conc. prob. narcotic

Aldrich: 11057-4
Fluka: 40500

>>Variant: (R)-form

Molecular Formula: C_8H_{18}
Molecular Weight: 114.23
Accurate Mass: 114.14085
Percentage Composition: C 84.12%; H 15.88%
Physical Description: Liq.
Boiling Point: Bp 110-111°
Optical Rotation: $[\alpha]_{\text{D}}^{21} -10.85$
Density: $d_4^{21} 0.703$

>>Variant: (S)-form

CAS Registry Number: 53990-98-0
Molecular Formula: C_8H_{18}
Molecular Weight: 114.23
Accurate Mass: 114.14085
Percentage Composition: C 84.12%; H 15.88%
Physical Description: Liq.
Boiling Point: Bp 111-112°
Optical Rotation: $[\alpha]_{\text{D}}^{25} +19.57$
Density: $d_4^{30} 0.696$

>>Variant: (±)-form

Molecular Formula: C_8H_{18}
Molecular Weight: 114.23
Accurate Mass: 114.14085
Percentage Composition: C 84.12%; H 15.88%
Physical Description: Liq.
Boiling Point: Bp 110°
Density: $d_{15}^{15} 0.708$
Refractive Index: $n_{\text{D}}^{25} 1.3986$
Hazard & Toxicity: Highly flammable, fl. p. 10° (oc)

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