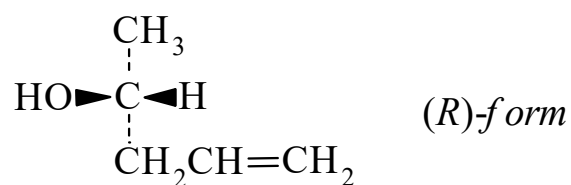




>>Entry Name: 4-Penten-2-ol, 9CI, 8CI

Synonym(s): 4-Hydroxy-1-pentene. Allylmethylcarbinol



CAS Registry Number: 625-31-0

Related CAS Registry Numbers(s): 64584-93-6

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Aldrich: P880-7

Fluka: 77040

>>Variant: (*R*)-form

CAS Registry Number: 64584-92-5

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Boiling Point: Bp 116-118°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -6.35$ (c, 9.13 in Et₂O)

>>Derivative: 1-Naphthylurethane

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 47-49°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +1.37$

>>Variant: (±)-form

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

Percentage Composition: C 69.72%; H 11.70%; O 18.58%

Boiling Point: Bp 114-116°

>>Derivative: Ac

CAS Registry Number: 2833-31-0

Molecular Formula: C₇H₁₂O₂

Molecular Weight: 128.171

Accurate Mass: 128.08373

Percentage Composition: C 65.60%; H 9.44%; O 24.97%

Boiling Point: Bp₄₀ 60-63°

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