



>>Entry Name: 2-Penten-1-ol, 9CI

ENTRY UNDER REVIEW

CAS Registry Number: 20273-24-9

H3CCH2CH=CHCH2OH

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

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

>>Variant: (E)-form

CAS Registry Number: 1576-96-1

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

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

Source/Synthesis: Isol. from grapes and fruits of *Vaccinium* spp.

Physical Description: Liq.

Boiling Point: Bp 137-139°. Bp₁₅ 45-46°

Refractive Index: n_D²⁰ 1.4335

Aldrich: 42444-7

>>Derivative: Me ether

Synonym(s): 1-Methoxy-2-pentene, 9CI

CAS Registry Number: 57648-46-1

Molecular Formula: C₆H₁₂O

Molecular Weight: 100.16

Accurate Mass: 100.088815

Percentage Composition: C 71.95%; H 12.08%; O 15.97%

Physical Description: Liq.

Boiling Point: Bp 101°

>>Variant: (Z)-form

CAS Registry Number: 1576-95-0

Molecular Formula: C₅H₁₀O

Molecular Weight: 86.133

Accurate Mass: 86.073165

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

Biological Source: Isol. from green and black tea (*Thea sinensis*)

Physical Description: Liq.

Boiling Point: Bp 137-139°. Bp₁₅ 50°

Refractive Index: n_D²⁰ 1.4360

Aldrich: 30418-2

>>Derivative: 2,4-Dinitrobenzoyl

Melting Point: Mp 60°

References:

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Kobayashi, A. *et al.*, *Agric. Biol. Chem.*, 1965, **29**, 488, (isol)
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