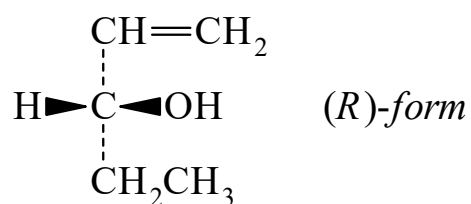




>>Entry Name: 1-Penten-3-ol, 9CI

ENTRY UNDER REVIEW

Synonym(s): Ethylvinylcarbinol. FEMA 3584



CAS Registry Number: 616-25-1

Molecular Formula: C<sub>5</sub>H<sub>10</sub>O

Molecular Weight: 86.133

Accurate Mass: 86.073165

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

Biological Source: Isol. from soya (*Glycine max*), black and green tea (*Thea sinensis*) and fruit aromas

Aldrich: P860-2

Fluka: 77010

>>Variant: (R)-form

CAS Registry Number: 93222-01-6

Molecular Formula: C<sub>5</sub>H<sub>10</sub>O

Molecular Weight: 86.133

Accurate Mass: 86.073165

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

Physical Description: Liq.

Optical Rotation:  $[\alpha]_{\text{D}}^{25} -24.3$  (c, 1.6 in EtOH) (90% ee)

>>Variant: (±)-form

CAS Registry Number: 67928-92-1

Molecular Formula: C<sub>5</sub>H<sub>10</sub>O

Molecular Weight: 86.133

Accurate Mass: 86.073165

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

Physical Description: Liq.

Boiling Point: Bp 114-116°. Bp<sub>20</sub> 37°

Density: d<sub>4</sub><sup>0</sup> 0.856

Refractive Index: n<sub>D</sub><sup>27.5</sup> 1.4182

>>Derivative: 4-Nitrobenzoyl

Melting Point: Mp 53°

>>Derivative: Me ether

Synonym(s): 3-Methoxy-1-pentene, 9CI

CAS Registry Number: 107847-09-6

Molecular Formula: C<sub>6</sub>H<sub>12</sub>O

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 73-85°

References: