



>>Entry Name: 4-Penten-1-ol, 9CI

CAS Registry Number: 821-09-0

$\text{H}_2\text{C}=\text{CHCH}_2\text{CH}_2\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_5\text{H}_{10}\text{O}$

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 140-142°. Bp₆₀ 76.4°

Density: d_4^0 0.863

Refractive Index: n_D^{25} 1.4290

Aldrich: 11127-9

Fluka: 77020

Sigma: P4550

>>Derivative: Ac

CAS Registry Number: 1576-85-8

Molecular Formula: $\text{C}_7\text{H}_{12}\text{O}_2$

Molecular Weight: 128.171

Accurate Mass: 128.08373

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

Physical Description: Liq.

Boiling Point: Bp 150-151°

Aldrich: 11032-9

Rare Chemicals Library: S88093-0

>>Derivative: Benzoyl

CAS Registry Number: 29264-40-2

Molecular Formula: $\text{C}_{12}\text{H}_{14}\text{O}_2$

Molecular Weight: 190.241

Accurate Mass: 190.09938

Percentage Composition: C 75.76%; H 7.42%; O 16.82%

Physical Description: Liq.

Boiling Point: Bp₁ 90-98°

>>Derivative: 3,5-Dinitrobenzoyl

CAS Registry Number: 103413-87-2

Melting Point: Mp 43.5-45°

>>Derivative: 4-Methylbenzenesulfonyl

CAS Registry Number: 19300-54-0

Physical Description: Liq.

Boiling Point: Bp_{0.2} 108-110°

>>Derivative: Me ether

Synonym(s): 5-Methoxy-1-pentene, 9CI

CAS Registry Number: 1191-31-7

Molecular Formula: $\text{C}_6\text{H}_{12}\text{O}$

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 96-98°