



Molecular Weight: 201.265
Accurate Mass: 201.136494
Percentage Composition: C 59.68%; H 9.51%; N 6.96%; O 23.85%
Physical Description: Cryst.
Melting Point: Mp 57-58°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -47.5$ (c, 1.0 in CHCl₃)

>>Derivative: *N,O*-Di-Ac

CAS Registry Number: 53369-10-1
Molecular Formula: C₉H₁₅NO₃
Molecular Weight: 185.222
Accurate Mass: 185.105194
Percentage Composition: C 58.36%; H 8.16%; N 7.56%; O 25.91%
Physical Description: Cryst. (petrol)
Melting Point: Mp 52-53°
Boiling Point: Bp_{1.5} 130° (lit. gives a pressure range)
Optical Rotation: $[\alpha]_{\text{D}} -66.7$ (c, 1.876 in CHCl₃)

>>Derivative: *N*-Me

CAS Registry Number: 34381-71-0
Molecular Formula: C₆H₁₃NO
Molecular Weight: 115.175
Accurate Mass: 115.099714
Percentage Composition: C 62.57%; H 11.38%; N 12.16%; O 13.89%
Physical Description: Liq.
Boiling Point: Bp₂₂ 80-82°. Bp₄ 57°
Optical Rotation: $[\alpha]_{\text{D}} -50.3$ (c, 5.03 in MeOH)
Aldrich: 30276-7
Fluka: 68890

>>Derivative: *N*-Benzyl

CAS Registry Number: 53912-80-4
Boiling Point: Bp_{0.5} 115-120°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -72.7$ (neat)
Refractive Index: n_{D}^{20} 1.5410
Aldrich: 30211-2
Fluka: 13839
Sigma: B9519

>>Derivative: *N*-(4-Nitrophenyl)

CAS Registry Number: 88422-19-9
Molecular Formula: C₁₁H₁₄N₂O₃
Molecular Weight: 222.243
Accurate Mass: 222.100443
Percentage Composition: C 59.45%; H 6.35%; N 12.60%; O 21.60%
Use/Importance: Material for non-linear optics
Melting Point: Mp 115-116°
Optical Rotation: $[\alpha]_{\text{D}}^{20} -95.7$ (c, 1 in MeOH)
Aldrich: 37204-8

>>Derivative: *N*-Amino

Synonym(s): 1-Amino-2-pyrrolidinemethanol. 1-Amino-2-(hydroxymethyl)pyrrolidine. 1-Aminoprolinol

CAS Registry Number: 127221-89-0
Extra CAS Registry Numbers(s): 153829-30-2
Molecular Formula: C₅H₁₂N₂O
Molecular Weight: 116.163
Accurate Mass: 116.094963
Percentage Composition: C 51.70%; H 10.41%; N 24.12%; O 13.77%
Physical Description: Oil
Boiling Point: Bp₃ 92-96°
Optical Rotation: $[\alpha]_{\text{D}}^{25} -55$ (c, 5.0 in MeOH)