



Optical Rotation: $[\alpha]_{\text{D}} -23.45$ (c, 2 in EtOH)

>>Derivative: *N*-Ac

CAS Registry Number: 96-81-1

Melting Point: Mp 164-165°

Optical Rotation: $[\alpha]_{\text{D}} +4$ (H₂O)

Sigma: A6894

>>Derivative: *N*-Ac, Et ester

CAS Registry Number: 2382-78-7

Molecular Formula: C₉H₁₇NO₃

Molecular Weight: 187.238

Accurate Mass: 187.120844

Percentage Composition: C 57.73%; H 9.15%; N 7.48%; O 25.63%

Physical Description: Viscous liq., cryst. in plates on standing

Boiling Point: Bp₂₁ 158°

Optical Rotation: $[\alpha]_{\text{Hg}}^{18} -20.1$

Refractive Index: $n_{\text{D}}^{18} 1.4517$

>>Derivative: *N*-Benzoyl

CAS Registry Number: 5699-79-6

Molecular Formula: C₁₂H₁₅NO₃

Molecular Weight: 221.255

Accurate Mass: 221.105194

Percentage Composition: C 65.14%; H 6.83%; N 6.33%; O 21.69%

Physical Description: Needles (H₂O)

Melting Point: Mp 127°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +17.18$

>>Derivative: *N*-Benzoyl, Et ester

CAS Registry Number: 42807-41-0

Molecular Formula: C₁₄H₁₉NO₃

Molecular Weight: 249.309

Accurate Mass: 249.136494

Percentage Composition: C 67.45%; H 7.68%; N 5.62%; O 19.25%

Physical Description: Needles (petrol)

Melting Point: Mp 82°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -3.44$ (EtOH)

>>Derivative: *N*-Benzoyl, anilide

Molecular Formula: C₁₈H₂₀N₂O₂

Molecular Weight: 296.368

Accurate Mass: 296.152478

Percentage Composition: C 72.95%; H 6.80%; N 9.45%; O 10.80%

Melting Point: Mp 217-218°

Optical Rotation: $[\alpha]_{\text{D}}^{32} -36$

>>Derivative: *N*-4-Nitrobenzoyl

CAS Registry Number: 93709-62-7

Melting Point: Mp 170-172°

>>Derivative: *N*-tert-Butyloxycarbonyl

>>Derivative: *N*-Benzyloxycarbonyl