



>>Derivative: *N*-Ac

Molecular Formula: C₁₁H₁₃NO₄
Molecular Weight: 223.228
Accurate Mass: 223.084459
Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%
Melting Point: Mp 168 dec.°
Optical Rotation: [α]_D −32.2 (NaOH aq.)

>>Variant: (2*S*,3*R*)-form
Synonym(s): L-*threo*-form

CAS Registry Number: 6254-48-4
Molecular Formula: C₉H₁₁NO₃
Molecular Weight: 181.191
Accurate Mass: 181.073894
Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%
Melting Point: Mp 184-187 dec.°
Optical Rotation: [α]_D¹⁵ −49

>>Derivative: Me ester

Optical Rotation: [α]_D²⁰ +15.6 (MeOH)

>>Derivative: *N*-Ac

Melting Point: Mp 151-158°
Optical Rotation: [α]_D +22 (NaOH aq.)

>>Variant: (2*RS*,3*RS*)-form
Synonym(s): (±)-*erythro*-form

CAS Registry Number: 2584-74-9
Molecular Formula: C₉H₁₁NO₃
Molecular Weight: 181.191
Accurate Mass: 181.073894
Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%
Melting Point: Mp 260°
pKa Value: p*K*_{a2} 8.86 (20°, 0.1*M* KCl)

>>Derivative: Hydrochloride

Melting Point: Mp 212°

>>Derivative: Et ester

Molecular Formula: C₁₁H₁₅NO₃
Molecular Weight: 209.244
Accurate Mass: 209.105194
Percentage Composition: C 63.14%; H 7.23%; N 6.69%; O 22.94%
Melting Point: Mp 83-84°

>>Derivative: Et ester, di-Ac

Molecular Formula: C₁₅H₁₉NO₅
Molecular Weight: 293.319
Accurate Mass: 293.126324
Percentage Composition: C 61.42%; H 6.53%; N 4.78%; O 27.27%
Melting Point: Mp 126-127°

>>Derivative: Et ester, dibenzoyl

Molecular Formula: C₂₅H₂₃NO₅
Molecular Weight: 417.46
Accurate Mass: 417.157624
Percentage Composition: C 71.93%; H 5.55%; N 3.36%; O 19.16%
Melting Point: Mp 167-168°