



>>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°