



>>Variant: (S)-form

CAS Registry Number: 2749-11-3

Molecular Formula: C₃H₉NO

Molecular Weight: 75.11

Accurate Mass: 75.068414

Percentage Composition: C 47.97%; H 12.08%; N 18.65%; O 21.30%

Physical Description: Oil

Boiling Point: B_{p11} 72-73°

Optical Rotation: [α]_D²⁰+15.8

Aldrich: A7620-6

Fluka: 5230

Sigma: A1390

>>Derivative: Oxalate

Melting Point: Mp 171°

Optical Rotation: [α]_D²⁰+18.8

>>Derivative: *N*-Ac

Synonym(s): *N*-(2-Hydroxy-1-methylethyl)acetamide, 9CI

CAS Registry Number: 35593-62-5

Molecular Formula: C₅H₁₁NO₂

Molecular Weight: 117.147

Accurate Mass: 117.078979

Percentage Composition: C 51.26%; H 9.46%; N 11.96%; O 27.31%

Melting Point: Mp 96-99°

Optical Rotation: [α]_D^{12.5}-15 (c, 1.056 in EtOH)

>>Derivative: *N*-Benzoyl

CAS Registry Number: 33985-13-6

Molecular Formula: C₁₀H₁₃NO₂

Molecular Weight: 179.218

Accurate Mass: 179.094629

Percentage Composition: C 67.02%; H 7.31%; N 7.82%; O 17.85%

Physical Description: Flakes (hexane)

Melting Point: Mp 132-133°

Optical Rotation: [α]_D-8 (c, 0.466 in CHCl₃)

>>Derivative: *N*-Benzyl

CAS Registry Number: 6940-80-3

Physical Description: Cryst. (cyclohexane)

Melting Point: Mp 40-42°

Optical Rotation: [α]_D²⁰+43.3 (c, 1 in MeOH)

>>Derivative: *N,N*-Di-Me

CAS Registry Number: 40916-65-2

Boiling Point: B_{p19} 44-47°

Optical Rotation: [α]_D^{23.5}-3.83 (c, 2.9 in EtOH)

>>Derivative: *N,N*-Dibenzyl

Molecular Formula: C₁₇H₂₁NO

Molecular Weight: 255.359

Accurate Mass: 255.162314

Percentage Composition: C 79.96%; H 8.29%; N 5.49%; O 6.27%

Physical Description: Oil, solidifies on standing

Boiling Point: B_{p0.2} 160-174°

Optical Rotation: [α]_D²⁵+89 (c, 1 in CHCl₃)

>>Derivative: Ph ether

Physical Description: No phys. props. reported

Other: Celgene: 6600-00