



Melting Point: Mp 73-75° (70.5-72.2°)

Optical Rotation: $[\alpha]_{\text{D}}^{18} -18.5$ (c, 6 in EtOH)

Hazard & Toxicity: Irritant

Aldrich: 29888-3

Fluka: 59660

Sigma: I2385

>>Derivative: *N*-Ac

CAS Registry Number: 77887-48-0

Molecular Formula: C₈H₁₃NO₃

Molecular Weight: 171.196

Accurate Mass: 171.089544

Percentage Composition: C 56.13%; H 7.65%; N 8.18%; O 28.04%

Use/Importance: Chiral auxiliary

Optical Rotation: $[\alpha]_{\text{D}} +98.4$ (c, 2.6 in CH₂Cl₂)

>>Derivative: *N*-Propanoyl

CAS Registry Number: 77877-19-1

Use/Importance: Chiral auxiliary

Optical Rotation: $[\alpha]_{\text{D}}^{20} +90$ (c, 8.5 in CHCl₃)

Aldrich: 33530-4

>>Derivative: *N*-(2*E*-Butenoyl)

CAS Registry Number: 90719-29-2

Use/Importance: Chiral auxiliary

Optical Rotation: $[\alpha]_{\text{D}}^{25} +105$ (c, 2 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 17016-84-1

Molecular Formula: C₆H₁₁NO₂

Molecular Weight: 129.158

Accurate Mass: 129.078979

Percentage Composition: C 55.80%; H 8.58%; N 10.84%; O 24.77%

Physical Description: Cryst. (CCl₄/Et₂O)

Melting Point: Mp 75° (70-71°)

References:

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