



CAS Registry Number: 104324-18-7
Molecular Formula: C₁₃H₁₂N₂O₃S
Molecular Weight: 276.315
Accurate Mass: 276.056863
Percentage Composition: C 56.51%; H 4.38%; N 10.14%; O 17.37%; S 11.60%
Use/Importance: Used in synth. of chiral glycines
Melting Point: Mp 101°
Optical Rotation: [α]_D²⁰+92.3 (c, 1.3 in CH₂Cl₂)

>>Derivative: *N*-Propanoyl

CAS Registry Number: 101711-78-8
Molecular Formula: C₁₃H₁₅NO₃
Molecular Weight: 233.266
Accurate Mass: 233.105194
Percentage Composition: C 66.94%; H 6.48%; N 6.00%; O 20.58%
Melting Point: Mp 45-47°
Optical Rotation: [α]_D²²+99 (c, 1 in EtOH)

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

CAS Registry Number: 90719-30-5
Molecular Formula: C₁₄H₁₅NO₃
Molecular Weight: 245.277
Accurate Mass: 245.105194
Percentage Composition: C 68.56%; H 6.16%; N 5.71%; O 19.57%
Melting Point: Mp 85-86°
Optical Rotation: [α]_D²⁵+77.9 (c, 2 in CHCl₃)

>>Variant: (±)-form

CAS Registry Number: 120574-96-1
Molecular Formula: C₁₀H₁₁NO₂
Molecular Weight: 177.202
Accurate Mass: 177.078979
Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%
Melting Point: Mp 66°

References:

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