



>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 2899-37-8

Molecular Formula: C₅H₁₃NOS

Molecular Weight: 135.23

Accurate Mass: 135.071784

Percentage Composition: C 44.41%; H 9.69%; N 10.36%; O 11.83%; S 23.71%

Physical Description: Oil that slowly solidified

Optical Rotation: $[\alpha]_D^{21} -12.7$ (c, 1.4 in EtOH)

Aldrich: 86023-9

Fluka: 64398

Sigma: M6516

>>Derivative: Oxalate (1:2)

Physical Description: Needles (EtOH)

Melting Point: Mp 161-161.5 dec.°

Optical Rotation: $[\alpha]_D^{24} +6.4$ (c, 0.72 in H₂O)

>>Derivative: *O,N*-Bis(4-nitrobenzoyl)

Optical Rotation: $[\alpha]_D^{22} +5.9$ (c, 0.372 in dioxan)

>>Variant: (±)-form

CAS Registry Number: 16720-80-2

Molecular Formula: C₅H₁₃NOS

Molecular Weight: 135.23

Accurate Mass: 135.071784

Percentage Composition: C 44.41%; H 9.69%; N 10.36%; O 11.83%; S 23.71%

Boiling Point: Bp₁₂ 115-120°

Sigma: M3379

>>Derivative: Hydrochloride

Physical Description: Cryst. (EtOH)

>>Derivative: *N,O*-Bis(4-nitrobenzoyl)

Physical Description: Cryst. (EtOH)

Melting Point: Mp 189-190°

References: