



Synonym(s): L-form

CAS Registry Number: 1492-24-6

Molecular Formula: C₄H₉NO₂

Molecular Weight: 103.121

Accurate Mass: 103.063329

Percentage Composition: C 46.59%; H 8.80%; N 13.58%; O 31.03%

Biological Source: Widely distributed in nature

Physical Description: Leaflets (EtOH aq.)

Melting Point: Mp 292 dec.° (303° in sealed tube)

Optical Rotation: $[\alpha]_{\text{D}}^{20} +8$ (H₂O) (5M HCl)

Aldrich: 23438-9

Fluka: 7200

Sigma: A2536

>>Derivative: Hydrochloride

CAS Registry Number: 5959-29-5

Physical Description: Needles

Optical Rotation: $[\alpha]_{\text{D}}^{20} -14$

>>Derivative: N-Formyl

Molecular Formula: C₅H₉NO₃

Molecular Weight: 131.131

Percentage Composition: C 45.80%; H 6.92%; N 10.68%; O 36.60%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 126°

Optical Rotation: $[\alpha]_{\text{D}}^{20} -27.74$ (H₂O)

>>Variant: (±)-form

CAS Registry Number: 2835-81-6

Molecular Formula: C₄H₉NO₂

Molecular Weight: 103.121

Accurate Mass: 103.063329

Percentage Composition: C 46.59%; H 8.80%; N 13.58%; O 31.03%

Melting Point: Mp 304° (307° in sealed tube)

Aldrich: 16266-3

Fluka: 7220

Sigma: A1754

>>Derivative: Hydrochloride

CAS Registry Number: 40522-79-0

Physical Description: Cryst.(EtOH aq.)

Melting Point: Mp 179-180° (>230°)

>>Derivative: Me ester

CAS Registry Number: 2483-62-7

Molecular Formula: C₅H₁₁NO₂

Molecular Weight: 117.147

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

Melting Point: Mp 139° (as hydrochloride)

>>Derivative: Et ester

Molecular Formula: C₆H₁₃NO₂

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Physical Description: Oil

Boiling Point: Bp₁₁ 61-62° (Bp₁₆ 58°)