



Boiling Point: Bp₁₀ 75-76°

>>Derivative: Amide

CAS Registry Number: 14445-54-6

Molecular Formula: C₆H₁₄N₂O

Molecular Weight: 130.189

Accurate Mass: 130.110613

Percentage Composition: C 55.35%; H 10.84%; N 21.52%; O 12.29%

Melting Point: Mp 246° (as hydrochloride)

Optical Rotation: [α]_D²⁰ +21.2 (c, 1 in H₂O)

>>Derivative: N-Formyl

CAS Registry Number: 89810-44-6

Molecular Formula: C₇H₁₃NO₃

Molecular Weight: 159.185

Accurate Mass: 159.089544

Percentage Composition: C 52.82%; H 8.23%; N 8.80%; O 30.15%

Melting Point: Mp 157°

Optical Rotation: [α]_D²⁶ +27 (c, 3 in EtOH)

>>Derivative: N-Ac

Synonym(s): N-Acetylisoleucine

CAS Registry Number: 3077-46-1

Molecular Formula: C₈H₁₅NO₃

Molecular Weight: 173.211

Accurate Mass: 173.105194

Percentage Composition: C 55.47%; H 8.73%; N 8.09%; O 27.71%

Biological Source: Prod. by *Streptomyces avermitilis*

Melting Point: Mp 150-151°

Optical Rotation: [α]_D²⁵ -8.2 (c, 2 in H₂O). [α]_D +15 (c, 2 in EtOH)

>>Derivative: N-Benzenesulfonyl

Melting Point: Mp 153°

Optical Rotation: [α]_D²⁰ -14.4 (1M NaOH) (EtOH)