



>>Entry Name: **Benzyloxycarbonylleucine**

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]leucine, 9Cl. Z-Leucine. Z-LeuOH



Molecular Formula: C₁₄H₁₉NO₄

Molecular Weight: 265.308

Accurate Mass: 265.131409

Percentage Composition: C 63.38%; H 7.22%; N 5.28%; O 24.12%

>>Variant: L-form

CAS Registry Number: 2018-66-8

Molecular Formula: C₁₄H₁₉NO₄

Molecular Weight: 265.308

Accurate Mass: 265.131409

Percentage Composition: C 63.38%; H 7.22%; N 5.28%; O 24.12%

Physical Description: Oil

Optical Rotation: [α]_D −16.4 (c, 1.83 in EtOH)

Hazard & Toxicity: Exp. reprod. effects

Aldrich: 40852-2

Fluka: 96710

Sigma: C2502

>>Derivative: *tert*-Butyl ester

Molecular Formula: C₁₈H₂₇NO₄

Molecular Weight: 321.416

Accurate Mass: 321.194009

Percentage Composition: C 67.26%; H 8.47%; N 4.36%; O 19.91%

Physical Description: Oil

Density: d₄²⁰ 1.0428

Refractive Index: n_D²⁵ 1.4853

>>Derivative: 2,4,5-Trichlorophenyl ester

Synonym(s): Z-LeuOTcp

CAS Registry Number: 7646-49-3

Melting Point: Mp 62-64°

Optical Rotation: [α]_D −53.3 (c, 1.12 in EtOAc)

>>Derivative: Pentachlorophenyl ester

Synonym(s): Z-LeuOPcp

CAS Registry Number: 13758-71-9

Melting Point: Mp 127-128°

Optical Rotation: [α]_D −33.3 (c, 0.45 in MeOH)

>>Derivative: 4-Nitrophenyl ester

CAS Registry Number: 1738-87-0

Molecular Formula: C₂₀H₂₂N₂O₆

Molecular Weight: 386.404

Accurate Mass: 386.147788

Percentage Composition: C 62.17%; H 5.74%; N 7.25%; O 24.84%

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 95°

Optical Rotation: [α]_D²⁰ −33.5 (c, 2 in DMF)