>>**Entry Name: Benzyloxycarbonylleucine**
Synonym(s): *N*-[(Phenylmethoxy)carbonyl]leucine, 9CI. Z-Leucine. Z-LeuOH

$PhCH_2OOCNHCH(COOH)CH_2CH(CH_3)_2$

Molecular Formula: $C_{14}H_{19}NO_4$
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: $C_{14}H_{19}NO_4$
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: $[\alpha]_D$ –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: $C_{18}H_{27}NO_4$
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: d_4^{20}1.0428
Refractive Index: n_D^{25} 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: $[\alpha]_D$ –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: $[\alpha]_D$ –33.3 (c, 0.45 in MeOH)

>>**Derivative:** 4-Nitrophenyl ester

CAS Registry Number: 1738-87-0
Molecular Formula: $C_{20}H_{22}N_2O_6$
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. (Et_2O/petrol)
Melting Point: Mp 95°
Optical Rotation: $[\alpha]_D^{20}$ –33.5 (c, 2 in DMF)