



>>Entry Name: Benzyloxycarbonyl isoleucine

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]isoleucine, 9Cl. Z-Isoleucine. Z-IleOH



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: 3160-59-6

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%

Melting Point: Mp 44-46°

Optical Rotation: [α]_D +6.5 (c, 6 in EtOH)

Aldrich: 40853-0

Fluka: 96618

Sigma: C1174

>>Derivative: 2-*tert*-Butyloxycarbonylhydrazide

Synonym(s): Z-IleNHNHBOC

CAS Registry Number: 39570-60-0

Melting Point: Mp 170-171°

>>Derivative: *tert*-Butyl ester

Synonym(s): Z-IleOBu^{*t*}

Physical Description: Oil

Optical Rotation: [α]_D -8.8 (c, 3.1 in EtOH)

>>Derivative: 4-Methylpyridyl ester

Synonym(s): 4-Picolyl ester. Z-IleOPic

CAS Registry Number: 23926-75-2

Melting Point: Mp 50.5-52°

Optical Rotation: [α]_D -10.3 (c, 1.1 in DMF)

>>Derivative: Pentachlorophenyl ester

Synonym(s): Z-IleOPcp

CAS Registry Number: 13673-53-5

Melting Point: Mp 122-124°

Optical Rotation: [α]_D -5.8 (c, 0.6 in CHCl₃)

>>Derivative: Succinimido ester

Synonym(s): Z-IleOSu

Melting Point: Mp 115-116°

Optical Rotation: [α]_D²⁵ -15.5 (c, 2 in dioxan)

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

Synonym(s): Z-IleOTcp

CAS Registry Number: 25576-35-6

Melting Point: Mp 79°

Optical Rotation: [α]_D -9 (c, 1 in DMF)

References: