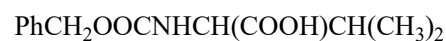




>>Entry Name: Benzyloxycarbonylvaline

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]valine, 9Cl. *N*-Carboxyvaline *N*-benzyl ester, 8Cl. Z-ValOH



Molecular Formula: C₁₃H₁₇NO₄

Molecular Weight: 251.282

Accurate Mass: 251.115759

Percentage Composition: C 62.14%; H 6.82%; N 5.57%; O 25.47%

>>Variant: L-form

CAS Registry Number: 1149-26-4

Molecular Formula: C₁₃H₁₇NO₄

Molecular Weight: 251.282

Accurate Mass: 251.115759

Percentage Composition: C 62.14%; H 6.82%; N 5.57%; O 25.47%

Melting Point: Mp 59-62°

Optical Rotation: [α]_D +1.5 (c, 5 in EtOH)

Aldrich: 29352-0

Fluka: 97330

Sigma: C6252

>>Derivative: 2-*tert*-Butyloxycarbonylhydrazide

Synonym(s): Z-ValNHNHBOC

Melting Point: Mp 145°

Optical Rotation: [α]_D -45.45 (c, 2 in MeOH)

>>Derivative: 4-Methylpyridyl ester

Synonym(s): Z-ValOPic

CAS Registry Number: 21844-69-9

Melting Point: Mp 65-66°

Optical Rotation: [α]_D -12.1 (c, 1 in DMF)

>>Derivative: 4-Nitrophenyl ester

Synonym(s): Z-ValONp

CAS Registry Number: 10512-93-3

Melting Point: Mp 62-64°

Optical Rotation: [α]_D -25 (c, 2 in DMF)

Sigma: C6377

>>Derivative: Pentachlorophenyl ester

Synonym(s): Z-ValOPcp

CAS Registry Number: 4824-13-9

Melting Point: Mp 144-145°

Optical Rotation: [α]_D -21 (c, 2 in dioxan)

>>Derivative: Succinimido ester

Synonym(s): Z-ValOSu

CAS Registry Number: 3496-11-5

Melting Point: Mp 116-117°

Optical Rotation: [α]_D -25.1 (c, 2 in dioxan)

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

Synonym(s): Z-ValOTcp

CAS Registry Number: 3065-23-4

Melting Point: Mp 94°

Optical Rotation: [α]_D -8 (c, 1 in DMF)

References: