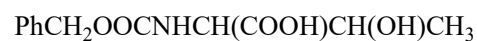




>>Entry Name: Benzyloxycarbonylthreonine

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]threonine, 9CI. *N*-Carboxythreonine *N*-benzyl ester, 8CI. Z-ThrOH



Molecular Formula: C₁₂H₁₅NO₅

Molecular Weight: 253.254

Accurate Mass: 253.095024

Percentage Composition: C 56.91%; H 5.97%; N 5.53%; O 31.59%

>>Variant: L-form

CAS Registry Number: 19728-63-3

Molecular Formula: C₁₂H₁₅NO₅

Molecular Weight: 253.254

Accurate Mass: 253.095024

Percentage Composition: C 56.91%; H 5.97%; N 5.53%; O 31.59%

Melting Point: Mp 105-106°

Optical Rotation: [α]_D −5.8 (c, 2 in AcOH)

Aldrich: 40851-4

Fluka: 97230

Sigma: C1760

>>Derivative: Amide

Synonym(s): Z-ThrNH₂

CAS Registry Number: 49705-98-8

Molecular Formula: C₁₂H₁₆N₂O₄

Molecular Weight: 252.269

Accurate Mass: 252.111008

Percentage Composition: C 57.13%; H 6.39%; N 11.10%; O 25.37%

Melting Point: Mp 98-100°

Optical Rotation: [α]_D +6.3 (c, 1.83 in MeOH)

>>Derivative: 2-*tert*-Butyloxycarbonylhydrazide

Synonym(s): Z-ThrNHNHBoc

CAS Registry Number: 34670-11-6

Melting Point: Mp 143-144°

Optical Rotation: [α]_D −11.25 (c, 2 in DMF)

>>Derivative: *O*-*tert*-Butyl, dicyclohexylamine salt

Synonym(s): Z-Thr(Bu^t)OH.Dcha

CAS Registry Number: 16966-07-7

Melting Point: Mp 146-147°

Optical Rotation: [α]_D +9.93 (c, 1 in EtOH)

Fluka: 96040

Sigma: C0282

>>Derivative: *O*-*tert*-Butyl, 2-*tert*-butyloxycarbonylhydrazide

Synonym(s): Z-Thr(Bu^t)NHNHBOC

CAS Registry Number: 41961-20-0

Melting Point: Mp 167-168°

Optical Rotation: [α]_D −6.24 (c, 0.87 in MeOH)

>>Derivative: *O*-*tert*-Butyl, Me ester

Synonym(s): Z-Thr(Bu^t)OMe

CAS Registry Number: 52785-41-8

Physical Description: Oil

Optical Rotation: [α]_D +6.3 (c, 1 in DMF)