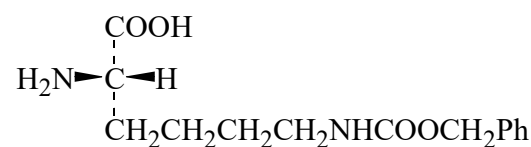




>>Entry Name: *N*⁶-Benzyloxycarbonyllysine

Synonym(s): *N*⁶-Carbobenzyloxylysine. H-Lys(Z)-OH



Extra CAS Registry Numbers(s): 32302-83-3 34404-32-5

Molecular Formula: C₁₄H₂₀N₂O₄

Molecular Weight: 280.323

Accurate Mass: 280.142308

Percentage Composition: C 59.99%; H 7.19%; N 9.99%; O 22.83%

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 1155-64-2

Molecular Formula: C₁₄H₂₀N₂O₄

Molecular Weight: 280.323

Accurate Mass: 280.142308

Percentage Composition: C 59.99%; H 7.19%; N 9.99%; O 22.83%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 252-254° (250-253° dec.)

Optical Rotation: [α]_D²⁵+13.7 (c, 1.8 in 6*M* HCl)

>>Derivative: Me ester

CAS Registry Number: 24498-31-5

Extra CAS Registry Numbers(s): 27894-50-4

Molecular Formula: C₁₅H₂₂N₂O₄

Molecular Weight: 294.35

Accurate Mass: 294.157958

Percentage Composition: C 61.21%; H 7.53%; N 9.52%; O 21.74%

Physical Description: Oil

Melting Point: Mp 117-118° (as hydrochloride)

Optical Rotation: [α]_D²⁵+15 (c, 0.66 in MeOH) (hydrochloride)

>>Derivative: *tert*-Butyl ester

CAS Registry Number: 63628-63-7

Molecular Formula: C₁₈H₂₈N₂O₄

Molecular Weight: 336.43

Accurate Mass: 336.204908

Percentage Composition: C 64.26%; H 8.39%; N 8.33%; O 19.02%

Melting Point: Mp 147-149° (as hydrochloride)

Optical Rotation: [α]_D²⁰+13.6 (c, 2 in EtOH)

Other Data: CAS no. refers to hydrochloride

>>Derivative: Benzyl ester

CAS Registry Number: 6366-70-7

Molecular Formula: C₂₁H₂₆N₂O₄

Molecular Weight: 370.447

Accurate Mass: 370.189258

Percentage Composition: C 68.09%; H 7.07%; N 7.56%; O 17.28%

Physical Description: Cryst. (EtOH) (as hydrochloride)

Melting Point: Mp 140-141° (hydrochloride)

Optical Rotation: [α]_D²⁷-12.4 (c, 0.5 in 0.1*M* HCl)

Other Data: CAS no. refers to hydrochloride

>>Derivative: 4-Nitrophenyl ester

CAS Registry Number: 16876-95-2

Molecular Formula: C₂₀H₂₃N₃O₆

Molecular Weight: 401.418

Accurate Mass: 401.158687

Percentage Composition: C 59.84%; H 5.77%; N 10.47%; O 23.91%

Melting Point: Mp 157° (as hydrochloride)

Optical Rotation: [α]