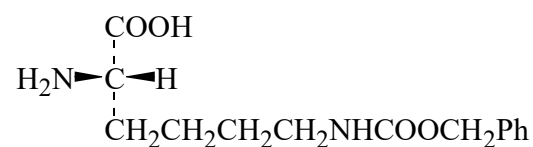




>>Entry Name: *N*⁶-Benzyloxycarbonyllysine
Synonym(s): *N*⁶-Carbobenzyloxylysine. H-Lys(Z)-OH



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]