



>>Entry Name: Benzyloxycarbonylaspartic acid

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]aspartic acid, 9CI. Z-Aspartic acid. Z-AspOH



Molecular Formula: C₁₂H₁₃NO₆

Molecular Weight: 267.238

Accurate Mass: 267.074289

Percentage Composition: C 53.93%; H 4.90%; N 5.24%; O 35.92%

>>Variant: L-form

CAS Registry Number: 1152-61-0

Molecular Formula: C₁₂H₁₃NO₆

Molecular Weight: 267.238

Accurate Mass: 267.074289

Percentage Composition: C 53.93%; H 4.90%; N 5.24%; O 35.92%

Melting Point: Mp 116°

Optical Rotation: [α]_D +9.6 (c, 7.1 in AcOH)

Aldrich: 16262-0

Fluka: 95970

Sigma: C5751

>>Derivative: 1-Benzyl ester

Synonym(s): Z-AspOBzl

CAS Registry Number: 4779-31-1

Molecular Formula: C₁₉H₁₉NO₆

Molecular Weight: 357.362

Accurate Mass: 357.121239

Percentage Composition: C 63.86%; H 5.36%; N 3.92%; O 26.86%

Melting Point: Mp 84°

Optical Rotation: [α]_D -9.3 (c, 1.2 in AcOH)

>>Derivative: 4-Benzyl ester

Synonym(s): Z-Asp(OBzl)OH

CAS Registry Number: 3479-47-8

Molecular Formula: C₁₉H₁₉NO₆

Molecular Weight: 357.362

Accurate Mass: 357.121239

Percentage Composition: C 63.86%; H 5.36%; N 3.92%; O 26.86%

Melting Point: Mp 107-108°

Optical Rotation: [α]_D +11.9 (c, 10 in AcOH)

Sigma: C2019

>>Derivative: 4-Benzyl ester, 1-(4-nitrophenyl) ester

Synonym(s): Z-Asp(OBzl)ONp

CAS Registry Number: 2419-54-7

Melting Point: Mp 76°

Optical Rotation: [α]_D -16.6 (c, 1 in DMF)

Sigma: C1894

>>Derivative: 4-Benzyl ester, 1-(2,4,5-trichlorophenyl) ester

Synonym(s): Z-Asp(OBzl)OTcp

CAS Registry Number: 5241-63-4

Melting Point: Mp 92°

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