



>>Entry Name: Benzyloxycarbonylasparagine

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]asparagine, 9Cl. Z-Asparagine. Z-AsnOH



Molecular Formula: C₁₂H₁₄N₂O₅

Molecular Weight: 266.253

Accurate Mass: 266.090273

Percentage Composition: C 54.13%; H 5.30%; N 10.52%; O 30.05%

>>Variant: L-form

Molecular Formula: C₁₂H₁₄N₂O₅

Molecular Weight: 266.253

Accurate Mass: 266.090273

Percentage Composition: C 54.13%; H 5.30%; N 10.52%; O 30.05%

Melting Point: Mp 184-186°

>>Derivative: Amide

Synonym(s): Z-AsnNH₂

Molecular Formula: C₁₂H₁₅N₃O₄

Molecular Weight: 265.268

Accurate Mass: 265.106257

Percentage Composition: C 54.33%; H 5.70%; N 15.84%; O 24.13%

Melting Point: Mp 208-214°. Mp 225-226°

Optical Rotation: [α]_D +14.3 (95% AcOH)

>>Derivative: 2-*tert*-Butyloxycarbonylhydrazide

Synonym(s): Z-AsnNHNHBOC

CAS Registry Number: 2885-47-4

Melting Point: Mp 161-162°

Optical Rotation: [α]_D -19.1 (c, 0.81 in DMF)

>>Derivative: *tert*-Butyl ester

Synonym(s): Z-AsnOBu^{*t*}

CAS Registry Number: 13512-57-7

Melting Point: Mp 107-108.5°

Optical Rotation: [α]_D -12 (c, 1.42 in EtOH)

>>Derivative: 4-Nitrophenyl ester

Synonym(s): Z-AsnONp

CAS Registry Number: 3256-57-3

Melting Point: Mp 153-154°

Optical Rotation: [α]_D -34.6 (c, 2 in DMF)

Sigma: C8767

>>Derivative: Succinimido ester

Synonym(s): Z-AsnOSu

CAS Registry Number: 21688-19-7

Melting Point: Mp 129-130°

Optical Rotation: [α]_D²⁴ -27.5 (c, 2 in DMF)

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

Synonym(s): Z-AsnOTcp

CAS Registry Number: 2480-44-6

Melting Point: Mp 184-185°

Optical Rotation: [α]_D -28.1 (c, 3.6 in DMF)

References: