



>>Entry Name: Benzyloxycarbonylglutamine

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]glutamine, 9Cl. Z-Glutamine. Z-GlnOH



Molecular Formula: C₁₃H₁₆N₂O₅

Molecular Weight: 280.28

Accurate Mass: 280.105923

Percentage Composition: C 55.71%; H 5.75%; N 9.99%; O 28.54%

>>Variant: L-form

CAS Registry Number: 2650-64-8

Molecular Formula: C₁₃H₁₆N₂O₅

Molecular Weight: 280.28

Accurate Mass: 280.105923

Percentage Composition: C 55.71%; H 5.75%; N 9.99%; O 28.54%

Melting Point: Mp 139-141°

Optical Rotation: [α]_D +5.7 (c, 5.01 in EtOH)

Aldrich: 16264-7

Fluka: 96100

Sigma: C7126

>>Derivative: 2-*tert*-Butyloxycarbonylhydrazide

Synonym(s): Z-GluNHNHBOC

CAS Registry Number: 2899-14-1

Melting Point: Mp 193-194°

Optical Rotation: [α]_D -33 (c, 2.1 in MeOH)

>>Derivative: 4-Nitrophenyl ester

Synonym(s): Z-GlnONp

CAS Registry Number: 7763-16-8

Melting Point: Mp 155-157°

Optical Rotation: [α]_D -24.2 (c, 2 in DMF)

Sigma: C0420

>>Derivative: Pentachlorophenyl ester

Synonym(s): Z-GlnOPcp

CAS Registry Number: 13673-51-3

Melting Point: Mp 183-187°

Optical Rotation: [α]_D +11 (c, 0.44 in DMF)

>>Derivative: Succinimido ester

Synonym(s): Z-GluOSu

CAS Registry Number: 34078-85-8

Melting Point: Mp 134-136°

Optical Rotation: [α]_D -31.4 (c, 0.98 in EtOH)

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

Synonym(s): Z-GlnOTcp

CAS Registry Number: 39538-29-9

Melting Point: Mp 180°

Optical Rotation: [α]_D -17 (c, 2 in DMF)

>>Derivative: 2,4-Dimethoxybenzyl

Synonym(s): Z-Gln(Dmb)OH

CAS Registry Number: 31874-51-8

Melting Point: Mp 110°

Optical Rotation: [α]_D²⁵ +5.5 (c, 1 in DMF)