



>>Entry Name: Benzyloxycarbonylglycine

Synonym(s): *N*-[(Phenylmethoxy)carbonyl]glycine, 9Cl. Z-Glycine. Z-GlyOH

CAS Registry Number: 1138-80-3

PhCH₂OOCHNHCH₂COOH

Molecular Formula: C₁₀H₁₁NO₄

Molecular Weight: 209.201

Accurate Mass: 209.068809

Percentage Composition: C 57.41%; H 5.30%; N 6.70%; O 30.59%

Melting Point: Mp 119-120°

Hazard & Toxicity: Exp. reprod. effects. LD₅₀ (mus, ivg) 380 mg/kg

Aldrich: C720-6

Fluka: 96160

Sigma: C7376

>>Derivative: Hydrazide

Synonym(s): Z-GlyNHNH₂

CAS Registry Number: 5680-83-1

Molecular Formula: C₁₀H₁₃N₃O₃

Molecular Weight: 223.231

Accurate Mass: 223.095692

Percentage Composition: C 53.81%; H 5.87%; N 18.82%; O 21.50%

Melting Point: Mp 115.5°

Rare Chemicals Library: S76517-1

>>Derivative: *tert*-Butyl ester

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

CAS Registry Number: 16881-32-6

Boiling Point: Bp_{0.4} 162.5°

>>Derivative: Me ester

Synonym(s): Z-GlyOMe

CAS Registry Number: 1212-53-9

Molecular Formula: C₁₁H₁₃NO₄

Molecular Weight: 223.228

Accurate Mass: 223.084459

Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%

Boiling Point: Bp_{0.3} 160-170°

>>Derivative: 4-Nitrophenyl ester

Synonym(s): Z-GlyONp

CAS Registry Number: 1738-86-9

Melting Point: Mp 130°

Rare Chemicals Library: S60110-1

Sigma: C7626

>>Derivative: Pentachlorophenyl ester

Synonym(s): Z-GlyOPcp

CAS Registry Number: 4824-12-8

Melting Point: Mp 128-130°

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

Synonym(s): Z-GlyOTcp

CAS Registry Number: 4865-50-3

Melting Point: Mp 100-101°

References: