



>>Entry Name: Fluorenylmethylenoxycarbonylglycine

Synonym(s): *N*-[(9*H*-Fluoren-9-ylmethoxy)carbonyl]glycine, 9Cl. FmocGlyOH

CAS Registry Number: 29022-11-5

Molecular Formula: C₁₇H₁₅NO₄

Molecular Weight: 297.31

Accurate Mass: 297.100109

Percentage Composition: C 68.68%; H 5.09%; N 4.71%; O 21.53%

General Statement: Deriv. of 9-Fluorenyl methyl chloroformate [DMJ03-G](#)

Melting Point: Mp 173-174°

Aldrich: 33528-2

Fluka: 47627

Sigma: F5639

>>Derivative: Et ester

Synonym(s): FmocGlyOEt

CAS Registry Number: 35661-41-7

Molecular Formula: C₁₉H₁₉NO₄

Molecular Weight: 325.363

Accurate Mass: 325.131409

Percentage Composition: C 70.14%; H 5.89%; N 4.30%; O 19.67%

Melting Point: Mp 109-110°

>>Derivative: *tert*-Butyl ester

CAS Registry Number: 35661-42-8

Molecular Formula: C₂₁H₂₃NO₄

Molecular Weight: 353.417

Accurate Mass: 353.162709

Percentage Composition: C 71.37%; H 6.56%; N 3.96%; O 18.11%

Melting Point: Mp 79-81°

>>Derivative: 4-Nitrophenyl ester

Synonym(s): FmocGlyONp

CAS Registry Number: 71989-22-5

Melting Point: Mp 133-136°

>>Derivative: Pentafluorophenyl ester

CAS Registry Number: 86060-85-7

Molecular Formula: C₂₃H₁₄F₅NO₄

Molecular Weight: 463.36

Accurate Mass: 463.084299

Percentage Composition: C 59.62%; H 3.05%; F 20.50%; N 3.02%; O 13.81%

Physical Description: Cryst. (EtOAc)

Melting Point: Mp 160-161°

>>Derivative: Piperidyl ester

CAS Registry Number: 35661-61-1

Melting Point: Mp 123.5 dec.°

>>Derivative: 8-Quinolyl ester

CAS Registry Number: 35661-62-2

Melting Point: Mp 162-164°