



>>Entry Name: Fluorenylmethylenoxycarbonylglutamine

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

Molecular Formula: C₂₀H₂₀N₂O₅

Molecular Weight: 368.388

Accurate Mass: 368.137223

Percentage Composition: C 65.21%; H 5.47%; N 7.60%; O 21.72%

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

>>Variant: L-form

CAS Registry Number: 71989-20-3

Molecular Formula: C₂₀H₂₀N₂O₅

Molecular Weight: 368.388

Accurate Mass: 368.137223

Percentage Composition: C 65.21%; H 5.47%; N 7.60%; O 21.72%

Melting Point: Mp 221-223°

Optical Rotation: [α]_D -17 (c, 1 in DMF)

Aldrich: 40864-6

Fluka: 47626

Sigma: F1883

>>Derivative: 4-Nitrophenyl ester

Synonym(s): FmocGlnONp

CAS Registry Number: 71989-21-4

Melting Point: Mp 182-185°

Optical Rotation: [α]_D -40.3 (c, 1.2 in DMF + 1% AcOH)

Sigma: F5385

References:

Chang, C.-D. *et al.*, *Int. J. Pept. Protein Res.*, 1980, **15**, 59

Bodanszky, A. *et al.*, *J.O.C.*, 1980, **45**, 72