



>>Entry Name: Fluorenylmethylenoxycarbonylasparagine

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

Molecular Formula: C₁₉H₁₈N₂O₅

Molecular Weight: 354.362

Accurate Mass: 354.121573

Percentage Composition: C 64.40%; H 5.12%; N 7.91%; O 22.57%

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

>>Variant: L-form

CAS Registry Number: 71989-16-7

Molecular Formula: C₁₉H₁₈N₂O₅

Molecular Weight: 354.362

Accurate Mass: 354.121573

Percentage Composition: C 64.40%; H 5.12%; N 7.91%; O 22.57%

Melting Point: Mp 185-186°

Optical Rotation: [α]_D -11.4 (c, 1 in DMF)

Aldrich: 40865-4

Fluka: 47617

Sigma: F9007

>>Derivative: 4-Nitrophenyl ester

Synonym(s): FmocAsnONp

CAS Registry Number: 71989-17-8

Melting Point: Mp 170-172°

Optical Rotation: [α]_D -37.8 (c, 1.2 in DMF + 1% AcOH)

References:

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

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