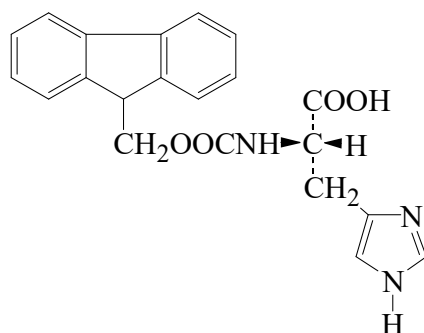




>>Entry Name: Fluorenylmethyleneoxycarbonylhistidine

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



CAS Registry Number: 157355-76-5

Molecular Formula: C₂₁H₁₉N₃O₄

Molecular Weight: 377.399

Accurate Mass: 377.137557

Percentage Composition: C 66.83%; H 5.07%; N 11.13%; O 16.96%

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

>>Variant: (S)-form

Synonym(s): L-form

CAS Registry Number: 116611-64-4

Molecular Formula: C₂₁H₁₉N₃O₄

Molecular Weight: 377.399

Accurate Mass: 377.137557

Percentage Composition: C 66.83%; H 5.07%; N 11.13%; O 16.96%

Melting Point: Mp 171-172°

Optical Rotation: $[\alpha]_{\text{D}}^{26} -8.1$ (c, 1.0 in HCOOH)

>>Derivative: *N*^{im}-(Triphenylmethyl)

CAS Registry Number: 109425-51-6

Molecular Formula: C₄₀H₃₃N₃O₄

Molecular Weight: 619.718

Accurate Mass: 619.247107

Percentage Composition: C 77.53%; H 5.37%; N 6.78%; O 10.33%

Melting Point: Mp 133-134°

Optical Rotation: $[\alpha]_{\text{D}}^{20} +76.8$ (c, 1 in CHCl₃)

References:

Barlos, K. *et al.*, *Annalen*, 1987, 1025-1030, (*trityl, synth, ir*)

Kawasaki, K. *et al.*, *Chem. Pharm. Bull.*, 1989, **37**, 3112-3113, (*synth*)