



>>>Derivative: *N*-(3,5-Dinitrobenzoyl)

CAS Registry Number: 90761-62-9

Use/Importance: Used in chromatographic resolu. and assay of enantiomers

Melting Point: Mp 218-220°

Optical Rotation: $[\alpha]_D^{20} +102$ (c, 1 in THF)

Aldrich: 27629-4

Fluka: 42033

Sigma: D9520

>>>Derivative: *N*-Benzyloxycarbonyl

CAS Registry Number: 53990-33-3

Molecular Formula: C₁₆H₁₅NO₄

Molecular Weight: 285.299

Accurate Mass: 285.100109

Percentage Composition: C 67.36%; H 5.30%; N 4.91%; O 22.43%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 130-130.5°

Optical Rotation: $[\alpha]_D^{21} +117$ (c, 4 in EtOH)

>>>Derivative: *N*-9-Fluorenyloxycarbonyl, fluoride

CAS Registry Number: 130859-05-1

Molecular Formula: C₂₃H₁₈FNO₃

Molecular Weight: 375.399

Accurate Mass: 375.127072

Percentage Composition: C 73.59%; H 4.83%; F 5.06%; N 3.73%; O 12.79%

Use/Importance: Used in peptide synthesis

Physical Description: Cryst.

Melting Point: Mp 144-146°

Optical Rotation: $[\alpha]_D^{25} +97.5$ (c, 0.5 in CH₂Cl₂)

>>>Derivative: *N*-Me

CAS Registry Number: 2611-88-3

Molecular Formula: C₉H₁₁NO₂

Molecular Weight: 165.191

Percentage Composition: C 65.44%; H 6.71%; N 8.48%; O 19.37%

Biological Source: Component of acid hydrosylate of Viridogrisein [CJQ10-J](#)

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 245 subl.°

Optical Rotation: $[\alpha]_D^{34} +169.3$ (c, 0.655 in 1M HCl)

>>>Variant: (±)-form

CAS Registry Number: 2835-06-5

Molecular Formula: C₈H₉NO₂

Molecular Weight: 151.165

Accurate Mass: 151.063329

Percentage Composition: C 63.57%; H 6.00%; N 9.27%; O 21.17%

Use/Importance: Photographic fog inhibitor

Physical Description: Pearly leaflets

pKa Value: pK_{a1} 1.83; pK_{a2} 4.39 (25°)

Other Data: Sublimes without melting at 256°

Aldrich: P2550-7

Fluka: 78580

Sigma: A1380