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

CAS Registry Number: 90761-62-9
Use/Importance: Used in chromatographic resoln. 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: $C_{16}H_{15}NO_4$
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: $C_{23}H_{18}FNO_3$
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 CH_2Cl_2)

>>**Derivative:** *N*-Me

CAS Registry Number: 2611-88-3

Molecular Formula: $C_9H_{11}NO_2$
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. (Me_2CO aq.)
Melting Point: Mp 245 subl.°
Optical Rotation: $[\alpha]_D^{34}$+169.3 (c, 0.655 in 1*M* HCl)

>>**Variant:** (±)-form

CAS Registry Number: 2835-06-5
Molecular Formula: $C_8H_9NO_2$
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