



>>>Derivative: Anilide

Molecular Formula: $C_{11}H_{12}N_2O_2$
Molecular Weight: 204.228
Accurate Mass: 204.089878
Percentage Composition: C 64.69%; H 5.92%; N 13.72%; O 15.67%
Physical Description: Plates (EtOH)
Optical Rotation: $[\alpha]_D^{15} +17.9$ (80% EtOH)

>>>Derivative: *N-tert*-Butyloxycarbonyl

CAS Registry Number: 53100-44-0
Molecular Formula: $C_{10}H_{15}NO_5$
Molecular Weight: 229.232
Accurate Mass: 229.095024
Percentage Composition: C 52.40%; H 6.60%; N 6.11%; O 34.90%
Melting Point: Mp 115-116°
Optical Rotation: $[\alpha]_D -35.3$ (c, 1 in AcOH)

>>>Derivative: *N-tert*-Butyloxycarbonyl, cyclohexylamine salt

Melting Point: Mp 183-184°
Optical Rotation: $[\alpha]_D -16.6$ (c, 1 in AcOH)

>>>Derivative: *N-tert*-Butyloxycarbonyl, *tert*-butyl ester

Molecular Formula: $C_{14}H_{23}NO_5$
Molecular Weight: 285.339
Accurate Mass: 285.157624
Percentage Composition: C 58.93%; H 8.12%; N 4.91%; O 28.04%
Physical Description: Solid (Et₂O/petrol)
Melting Point: Mp 54-56°
Optical Rotation: $[\alpha]_D^{25} -36.6$ (c, 0.93 in CHCl₃)

>>>Derivative: *N-tert*-Butyloxycarbonyl, benzyl ester

Molecular Formula: $C_{17}H_{21}NO_5$
Molecular Weight: 319.357
Accurate Mass: 319.141974
Percentage Composition: C 63.94%; H 6.63%; N 4.39%; O 25.05%
Physical Description: Cryst. solid (EtOAc/petrol)
Melting Point: Mp 72-74°
Optical Rotation: $[\alpha]_D^{25} -35$ (c, 0.98 in CHCl₃)

>>>Derivative: *N-tert*-Butyloxycarbonyl, 4-nitrophenyl ester

Molecular Formula: $C_{16}H_{18}N_2O_7$
Molecular Weight: 350.327
Percentage Composition: C 54.86%; H 5.18%; N 8.00%; O 31.97%
Melting Point: Mp 146°
Optical Rotation: $[\alpha]_D -43.8$ (c, 0.5 in MeOH)

>>>Variant: (±)-form

CAS Registry Number: 149-87-1
Molecular Formula: $C_5H_7NO_3$
Molecular Weight: 129.115
Accurate Mass: 129.042594
Percentage Composition: C 46.51%; H 5.46%; N 10.85%; O 37.17%
Melting Point: Mp 178-179°
Aldrich: 29291-5
Fluka: 83170
Sigma: P0506