



>>>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