



Optical Rotation: $[\alpha]_D +100$ (c, 1.1 in H₂O)

>>Derivative: *N*-(2,4-Dinitrophenyl)

CAS Registry Number: 1655-52-3

Molecular Formula: C₉H₉N₃O₆

Molecular Weight: 255.187

Accurate Mass: 255.049137

Percentage Composition: C 42.36%; H 3.55%; N 16.47%; O 37.62%

Physical Description: Yellow plates (Et₂O/petrol)

Melting Point: Mp 177°

Sigma: D7254

>>Derivative: *N*-(2,4-Dinitrophenyl), Me ester

CAS Registry Number: 10420-63-0

Molecular Formula: C₁₀H₁₁N₃O₆

Molecular Weight: 269.213

Accurate Mass: 269.064787

Percentage Composition: C 44.62%; H 4.12%; N 15.61%; O 35.66%

Physical Description: Cryst. (EtOH/petrol)

Melting Point: Mp 74-76°. Mp 80-81°

Optical Rotation: $[\alpha]_D^{20} -22$ (c, 1 in toluene)

Aldrich: 37201-3

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

CAS Registry Number: 28875-17-4

Molecular Formula: C₉H₁₇NO₄

Molecular Weight: 203.238

Accurate Mass: 203.115759

Percentage Composition: C 53.19%; H 8.43%; N 6.89%; O 31.49%

Physical Description: Cryst.

Melting Point: Mp 32-35°

Optical Rotation: $[\alpha]_D^{21} -45$ (c, 1 in MeOH)

Density: d 1.03