



CAS Registry Number: 57294-38-9

Molecular Formula: $C_9H_{17}NO_4$

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. (EtOAc/hexane)

Melting Point: Mp 53-54°

Boiling Point: Bp_{0.2} 78-82°

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

CAS Registry Number: 89231-63-0

Molecular Formula: $C_{18}H_{32}N_2O_7$

Molecular Weight: 388.46

Accurate Mass: 388.220953

Percentage Composition: C 55.66%; H 8.30%; N 7.21%; O 28.83%

Physical Description: Cryst. (EtOAc/petrol)

Melting Point: Mp 106°

>>Derivative: *N*-Benzyloxycarbonyl

CAS Registry Number: 5105-78-2

Molecular Formula: $C_{12}H_{15}NO_4$

Molecular Weight: 237.255

Accurate Mass: 237.100109

Percentage Composition: C 60.75%; H 6.37%; N 5.90%; O 26.97%

Physical Description: Needles (EtOAc/hexane)

Melting Point: Mp 65-67°

>>Derivative: *N*-Benzyloxycarbonyl, amide

Molecular Formula: $C_{12}H_{16}N_2O_3$

Molecular Weight: 236.27

Accurate Mass: 236.116093

Percentage Composition: C 61.00%; H 6.83%; N 11.86%; O 20.31%

Physical Description: Cryst.

Melting Point: Mp 125-128°