



Melting Point: Mp 265-270 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{26} +18.8$ (c, 0.5 in 6M HCl)

>> **Derivative:** N^6 -Et

CAS Registry Number: 1635-05-8
Molecular Formula: $\text{C}_8\text{H}_{18}\text{N}_2\text{O}_2$
Molecular Weight: 174.242
Accurate Mass: 174.136828
Percentage Composition: C 55.15%; H 10.41%; N 16.08%; O 18.36%
Optical Rotation: $[\alpha]_{\text{D}} +3.4$ (6M HCl) (as hydrochloride)

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

CAS Registry Number: 24696-20-6
Melting Point: Mp 260 dec.°

>> **Derivative:** N^6 -(2,4-Dinitrophenyl)

CAS Registry Number: 1094-76-4
Extra CAS Registry Numbers(s): 14401-10-6 14455-27-7
Physical Description: Cryst. (EtOH) (as hydrochloride)
Melting Point: Mp 103-105° (hydrochloride)
Other: PB D47710

>> **Derivative:** N^2, N^6 -Bis(2,4-dinitrophenyl)

CAS Registry Number: 1655-49-8
Physical Description: Cryst. ($\text{Me}_2\text{CO}/\text{Et}_2\text{O}$)
Melting Point: Mp 170-172 dec.°
Sigma: D0255

>> **Derivative:** N^6 -Hydroxy
Synonym(s): N^6 -Hydroxylysine

CAS Registry Number: 19460-99-2

Molecular Formula: $\text{C}_6\text{H}_{14}\text{N}_2\text{O}_3$
Molecular Weight: 162.188
Accurate Mass: 162.100443
Percentage Composition: C 44.43%; H 8.70%; N 17.27%; O 29.59%
Biological Source: Component of mycobactins from *Mycobacterium* spp. and other bacterial products
Physical Description: Amorph. solid
Melting Point: Mp 223-225°
Optical Rotation: $[\alpha]_{\text{D}}^{20} +6.3$ (c, 5 in H_2O) (c, 5.1 in 1M HCl)

>> **Derivative:** N^6 -Hydroxy; hydrochloride

CAS Registry Number: 55024-37-8
Physical Description: Amorph. powder
Melting Point: Mp 192-194 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{24} +25.5$ (c, 0.22 in 1M HCl)

>> **Derivative:** N^6 -Hydroxy, benzyl ester

CAS Registry Number: 55024-36-7
Physical Description: Cryst. (H_2O)
Melting Point: Mp 238-241 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{23} +18.1$ (c, 1 in 1M HCl)

>> **Variant:** ($\pm$)-form