Accurate Mass: 202.131743
Percentage Composition: C 53.45%; H 8.97%; N 13.85%; O 23.73%
Use/Importance: Trypsin substrate
pKa Value: pK_a 10.8

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

CAS Registry Number: 692-04-6

Molecular Formula: $C_8H_{16}N_2O_3$
Molecular Weight: 188.226
Accurate Mass: 188.116093
Percentage Composition: C 51.05%; H 8.57%; N 14.88%; O 25.50%
Biological Source: Isol. from sugarbeet (*Beta vulgaris*)
Optical Rotation: $[\alpha]_D^{20}$+4 (c, 5 in H_2O)
Aldrich: 11579-7
Sigma: A4021

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

CAS Registry Number: 52315-75-0
Molecular Formula: $C_{18}H_{36}N_2O_3$
Molecular Weight: 328.494
Accurate Mass: 328.272593
Percentage Composition: C 65.81%; H 11.05%; N 8.53%; O 14.61%
Use/Importance: Surfactant of widespread application from cosmetics to lubrication in steel spring manuf.
Melting Point: Mp 230 dec.°
Optical Rotation: $[\alpha]_D^{20}$+3.2 (KOH/MeOH)

>>**Derivative:** N^6-(Trifluoroacetyl)

CAS Registry Number: 10009-20-8
Molecular Formula: $C_8H_{13}F_3N_2O_3$
Molecular Weight: 242.198
Accurate Mass: 242.087827
Percentage Composition: C 39.67%; H 5.41%; F 23.53%; N 11.57%; O 19.82%
Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 260-262°
Optical Rotation: $[\alpha]_D^{20}$+17.5 (c, 2.1 in AcOH)
Fluka: 91696
Other: Degussa

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

CAS Registry Number: 1219-46-1
Molecular Formula: $C_{13}H_{18}N_2O_3$
Molecular Weight: 250.297
Accurate Mass: 250.131743
Percentage Composition: C 62.38%; H 7.25%; N 11.19%; O 19.18%
Melting Point: Mp 235°
Optical Rotation: $[\alpha]_D^{19}$+20.12 (HCl)

>>**Derivative:** N^2,N^6-Dibenzoyl
Synonym(s): Lysuric acid

CAS Registry Number: 1946-96-9
Molecular Formula: $C_{20}H_{22}N_2O_4$
Molecular Weight: 354.405
Accurate Mass: 354.157958
Percentage Composition: C 67.78%; H 6.26%; N 7.90%; O 18.06%
Melting Point: Mp 144-145°. Mp 149-150°
Optical Rotation: $[\alpha]_D^{20}$+3.06 (0.1*N* NaOH). $[\alpha]_D$ –8.59 (MeOH)
Solubility: Spar. sol. cold H_2O

>>**Derivative:** N^2,N^6-Bis(2,3-dihydroxybenzoyl)