



CAS Registry Number: 971-21-1
Molecular Formula: C₁₅H₂₂N₄O₃
Molecular Weight: 306.364
Accurate Mass: 306.169191
Percentage Composition: C 58.81%; H 7.24%; N 18.29%; O 15.67%
Use/Importance: Substrate for trypsin
Physical Description: Cryst. (Et₂O)
Melting Point: Mp 129-130° (as hydrochloride)

>>**Derivative:** *N*²-Benzoyl, amide

CAS Registry Number: 965-03-7
Molecular Formula: C₁₃H₁₉N₅O₂
Molecular Weight: 277.325
Accurate Mass: 277.153875
Percentage Composition: C 56.30%; H 6.91%; N 25.25%; O 11.54%
Use/Importance: Substrate for trypsin

>>**Derivative:** *N*²-Benzoyl, 4-nitroanilide
Synonym(s): BAPNA

CAS Registry Number: 6208-93-1
Extra CAS Registry Numbers(s): 21653-40-7
Molecular Formula: C₁₉H₂₂N₆O₄
Molecular Weight: 398.421
Accurate Mass: 398.170254
Percentage Composition: C 57.28%; H 5.57%; N 21.09%; O 16.06%
Use/Importance: Chromogenic substrate for trypsin
Physical Description: Cryst. (EtOH) (as hydrochloride)
Melting Point: Mp 225° (hydrochloride)
Optical Rotation: [α]_D²¹+40 (c, 0.9 in DMF) (hydrochloride)
Other Data: See also racemate below

>>**Derivative:** *N,N*-Dibenzoyl

Molecular Formula: C₂₀H₂₂N₄O₄
Molecular Weight: 382.418
Accurate Mass: 382.164106
Percentage Composition: C 62.82%; H 5.80%; N 14.65%; O 16.73%
Physical Description: Leaflets (EtOH)
Melting Point: Mp 235 dec.°

>>**Derivative:** *N,N*-Dibenzoyl; hydrochloride

Melting Point: Mp 218°

>>**Derivative:** *N*²-(4-Hydroxybenzoyl)
Synonym(s): *N*²-(4-Hydroxybenzoyl)arginine

CAS Registry Number: 178495-39-1

Molecular Formula: C₁₃H₁₈N₄O₄
Molecular Weight: 294.31
Accurate Mass: 294.132806
Percentage Composition: C 53.05%; H 6.16%; N 19.04%; O 21.74%
Biological Source: Isol. from the ascidian *Leptoclinides dubius*
Optical Rotation: [α]_D²⁰+19.5 (c, 2 in MeOH)
Solubility: BERDY SOL: Sol. MeOH, butanol
UV: [neutral] $\lambda_{\max}$ 210 (log ϵ 3.46); 256 (log ϵ 3.49) (MeOH) [neutral] $\lambda_{\max}$ 210 (ϵ 2884); 256 (ϵ 3090) (MeOH) (Berdy) [base] $\lambda_{\max}$ 216 (); 294 () (MeOH-NAOH) (Berdy)

>>**Derivative:** *N*²-4-Methylbenzenesulfonyl, Me ester
see *N* ^{α} -[(4-Methylphenyl)sulfonyl]arginine methyl ester, [CYL55-C](#)