



CAS Registry Number: 26340-89-6
Physical Description: Needles (EtOH/Et₂O)
Melting Point: Mp 195 dec.°
Optical Rotation: $[\alpha]_{\text{D}}^{25} +17.2$ (c, 5 in H₂O)
Fluka: 11030
Sigma: A5881

>>Derivative: Benzyl ester

CAS Registry Number: 57177-89-6
Molecular Formula: C₁₃H₂₀N₄O₂
Molecular Weight: 264.327
Accurate Mass: 264.158626
Percentage Composition: C 59.07%; H 7.63%; N 21.20%; O 12.11%
Melting Point: Mp 152 dec.° (as hydrochloride)
Optical Rotation: $[\alpha]_{\text{D}}^{25} -9.2$ (c, 2 in EtOH aq.)

>>Derivative: Amide

CAS Registry Number: 2788-83-2
Molecular Formula: C₆H₁₅N₅O
Molecular Weight: 173.217
Accurate Mass: 173.12766
Percentage Composition: C 41.60%; H 8.73%; N 40.43%; O 9.24%
Physical Description: Hygroscopic needles (as hydrochloride)
Optical Rotation: $[\alpha]_{\text{D}}^{24} +13.8$ (c, 1 in H₂O)
Other Data: Dec. at 155° (hydrochloride)

>>Derivative: 2-Naphthylamide

CAS Registry Number: 7182-70-9
Extra CAS Registry Numbers(s): 18905-73-2
Molecular Formula: C₁₆H₂₁N₅O
Molecular Weight: 299.375
Accurate Mass: 299.17461
Percentage Composition: C 64.19%; H 7.07%; N 23.39%; O 5.34%
Use/Importance: Chromogenic substrate for detn. of aminopeptidase activity
Physical Description: Cryst. (MeOH/Et₂O) (as hydrochloride)
Melting Point: Mp 184° (hydrochloride)
Optical Rotation: $[\alpha]_{\text{D}}^{25} +31.2$ (c, 3 in MeOH)

>>Derivative: N²-Ac

CAS Registry Number: 155-84-0
Molecular Formula: C₈H₁₆N₄O₃
Molecular Weight: 216.239
Accurate Mass: 216.122241
Percentage Composition: C 44.44%; H 7.46%; N 25.91%; O 22.20%
Physical Description: Cryst. +2H₂O (H₂O)
Melting Point: Mp 267-268°
Optical Rotation: $[\alpha]_{\text{D}} +7.8$ (H₂O). $[\alpha]_{\text{D}} -7$ (c, 2 in 1M HCl)

>>Derivative: N²-Benzoyl
Synonym(s): N²-Benzoyl-L-arginine, 9Cl

CAS Registry Number: 154-92-7
Molecular Formula: C₁₃H₁₈N₄O₃
Molecular Weight: 278.31
Accurate Mass: 278.137891
Percentage Composition: C 56.10%; H 6.52%; N 20.13%; O 17.25%
Use/Importance: Proteolytic enzyme inhibitor
Physical Description: Prisms (EtOAc/hexane)
Melting Point: Mp 298-300 dec.°
Aldrich: 85294-5
Fluka: 12870
Rare Chemicals Library: S78663-2
Sigma: B8881