



CAS Registry Number: 7200-25-1

Molecular Formula: $\text{C}_6\text{H}_{14}\text{N}_4\text{O}_2$

Molecular Weight: 174.202

Accurate Mass: 174.111676

Percentage Composition: C 41.37%; H 8.10%; N 32.16%; O 18.37%

Melting Point: Mp 238 dec.°

Fluka: 11020

>>Derivative: Nitrate

Physical Description: Plates

Melting Point: Mp 230°

>>Derivative: Dipicrate

Melting Point: Mp 200 dec.°

>>Derivative: N^2 -Benzoyl, 4-nitroanilide

CAS Registry Number: 911-76-2

Extra CAS Registry Numbers(s): 911-77-3 37039-24-0

Molecular Formula: $\text{C}_{19}\text{H}_{22}\text{N}_6\text{O}_4$

Molecular Weight: 398.421

Percentage Composition: C 57.28%; H 5.57%; N 21.09%; O 16.06%

Use/Importance: Chromogenic substrate for trypsin

Physical Description: Cryst. (EtOH)

Melting Point: Mp 249-250°. Mp 275-276° (as hydrochloride)

Other Data: Freq. used as the hydrochloride

Aldrich: 85711-4

Fluka: 12920

Sigma: B4875

>>Derivative: N,N' -Dibenzoyl

Molecular Formula: $\text{C}_{20}\text{H}_{22}\text{N}_4\text{O}_4$

Molecular Weight: 382.418

Accurate Mass: 382.164106

Percentage Composition: C 62.82%; H 5.80%; N 14.65%; O 16.73%

Physical Description: Hydrate (EtOH)

Melting Point: Mp 176° (anhyd. 230°)

>>Derivative: N^2 -Me; hydrochloride

Melting Point: Mp 209-210 dec.°

>>Derivative: N^2 -Me, nitrate

Melting Point: Mp 192°

>>Derivative: N^2 -Me, N^2 -(4-methylbenzenesulfonyl)

Molecular Formula: $\text{C}_{14}\text{H}_{22}\text{N}_4\text{O}_4\text{S}$

Molecular Weight: 342.418

Accurate Mass: 342.136176

Percentage Composition: C 49.11%; H 6.48%; N 16.36%; O 18.69%; S 9.36%

Melting Point: Mp 268 dec.°

References: