



**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:**