

4041 Leupeptin (Typical Assay)

Acetyl-L-leucyl-L-leucyl-L-argininal · ½ H₂SO₄ · H₂O

(M.W. 426.56 · 49.04 · 18.02 C₂₀H₃₈N₆O₄ · ½H₂SO₄ · H₂O

CAS No: [103476-89-73]

Appearance: white amorphous powder

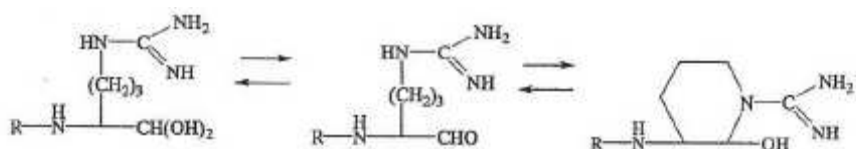
Specific optical rotation: $[\alpha]_D^{20} - 80^\circ$ (C 2; H₂O)

Loss on Drying: 4 %

Activity (IC₅₀): 1.2 µg/ml
(Trypsin/TAME; pH 8.1; 30 °C)

Unit: 843 µg/mg

The purity of Leupeptin can not be determined by HPLC or TLC because Leupeptin has three tautomeric isomers which are separately detected by chromatographic methods.



R: Ac-Leu-Leu