



>>Entry Name: Pepsin
ENTRY UNDER REVIEW

CAS Registry Number: 9001-75-6

Related CAS Registry Numbers(s): 9012-71-9 9025-48-3 9074-32-2 61536-72-9

Biological Source: The principal digestive enzyme of gastric juice. Derived from the proenzyme pepsinogen

Use/Importance: Hydrolyses peptide linkages

Physical Description: Cryst. or amorph. powder

Solubility: V. sol. H₂O; prac. insol. EtOH, CHCl₃, Et₂O

Fluka: 77152

Sigma: P1143

>>Variant: pro-form

Synonym(s): Pepsinogen. Propepsin

CAS Registry Number: 9001-10-9

Use/Importance: Inactive precursor of pepsin. Converted into pepsin in solns. more acid than pH 6

Fluka: 77166

Sigma: P4656

References:

Fruton, J.S., *The Enzymes*, Academic, New York, 1971, **4**, 119, (rev)

Clement, G.E. *et al.*, *Prog. Bioorg. Chem.*, 1973, **2**, 177, (rev)

Merck Index, 11th edn., 1989, No. 7103

Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 2133-2134