

Product Data Sheet

Product Name: Collagenase III

Cat. No.: GC19590

Chemical Properties

Cas. No. 9001-12-1

Formula M.Wt

Solubility Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Source: Bacillus histolyticus

Activity definition: One FALGPA hydrolysis unit hydrolyzes 1.0 µmole of furylacryloyl-Leu-Gly-Pro-Ala per min at pH 7.5 at 25 °C in the presence of calcium ions. One neutral protease unit hydrolyzes

Caution: Product has not been fully validated for medical applications. For research use only.

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casein to produce color equivalent to 1.0 μ mole tyrosine per 5 hr at pH 7.5 at 37°C. One clostripain unit hydrolyzes 1.0 μ mole of BAEE per min at pH 7.6 at 25°C in the presence of DTT

Optimal pH value: 7~8

Uses: It has the unique ability to digest natural collagen and denatured collagen. Detergents, hexachlorocyclohexane and heavy metal ions can reduce enzyme activity. It acts exclusively on procollagen, breaking it and then being hydrolyzed by other proteases, without hydrolyzing fibrin and globulin

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