

Product Data Sheet

Product Name: Hyaluronidase ($\geq 300\text{u/mg}$)

Cat. No.: GC36265

Chemical Properties

Cas. No. 37326-33-3

SMILES [Hyaluronoglucosaminidase]

Formula M.Wt

Solubility Water : 100 mg/mL Storage Store at -20°C , protect from light

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

Hyaluronoglucosaminidase

Background

Hyaluronidase degrades hyaluronic acid through the cleavage of glycosidic bonds. Initially discovered in bacteria, this enzyme is known to be widely distributed in nature and has been found in various species, including insects, snakes, fish, and mammals. In humans, six different hyaluronidases have been identified, namely HYAL 1-4, HYAL-P1, and PH-20. PH-20 exhibits the strongest biological activity, with high concentrations found in the testes and localization on the head and acrosome of human sperm. Currently, hyaluronidases sourced from animal testes, such as bovine or ovine, as well as synthetic hyaluronidases, are applied clinically as adjuncts for increasing

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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drug bioavailability, treating extravasation, or managing complications associated with cosmetic injections using hyaluronic acid-based fillers^[1].

References:

[1] Buhren B A , Schrumpf H , Hoff N P ,et al. Hyaluronidase: from clinical applications to molecular and cellular mechanisms[J].European Journal of Medical Research, 2016, 21(1).DOI:10.1186/s40001-016-0201-5.

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