
Product Data Sheet

Product Name: [Glu1]-Fibrinopeptide B

Cat. No.: GC34259

Chemical Properties

Cas. No. 103213-49-6

SMILES Glu-Gly-Val-Asn-Asp-Asn-Glu-Glu-Gly-Phe-Phe-Ser-Ala-Arg

Formula C₆₆H₉₅N₁₉O₂₆ M.Wt 1570.6

Solubility Soluble in Water 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**

[Glu1]-Fibrinopeptide B is derived from fibrinopeptide B amino acid residues 1-14. Human fibrinopeptide B (hFpB), a thrombin-derived proteolytic cleavage product of the fibrinogen B beta-chain, to stimulate neutrophils (PMN), monocytes, and fibroblasts.

hFpB causes directed cell migration of PMN and fibroblasts that is optimal at approximately 10 nM. hFpB causes a rapid, dose-dependent increase in PMN cytoskeletal associated actin, but unlike fMLP, hFpB does not cause PMN aggregation, release of lysosomal enzymes (lysozyme and beta-glucuronidase), or the production of superoxide anion. These results suggest that hFpB may have a role in recruiting PMN and fibroblasts at sites of fibrin deposition and turnover. The capacity of hFpB to cause PMN chemotaxis without causing concurrent release of lysosomal enzymes or the production of superoxide anion is further evidence for the complexity of PMN responses to chemotactic agents[1].

[1]. Senior RM, et al. Effects of fibrinogen derivatives upon the inflammatory response. Studies with human fibrinopeptide B. J Clin Invest. 1986 Mar;77(3):1014-9.

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

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