
Product Data Sheet

Product Name: Fibrinopeptide B, human (FPB, human)

Cat. No.: GC31920

Chemical Properties

Cas. No. 36204-23-6

SMILES {Glp}-Gly-Val-Asn-Asp-Asn-Glu-Glu-Gly-Phe-Phe-Ser-Ala-Arg

Formula C₆₆H₉₃N₁₉O₂₅ M.Wt 1552.56

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

Fibrinopeptide B, human is a 14-aa peptide, released from the amino-terminus of β -chains of fibrinogen by thrombin.

Fibrinopeptide B, human is released from the amino-terminus of the B 3-chains of fibrinogen by thrombin. Fibrinopeptide B, human (hFpB, 10 nM) causes directed cell migration of neutrophils (PMN), and fibroblasts. Fibrinopeptide B, human also possesses potent chemotactic activity relative to human complement (C5a), leukotriene B₄ (LTB₄), and formyl-methionylleucyl-phenylalanine (fMLP), and for fibroblasts its chemotactic activity is comparable to that of platelet-derived growth factor. However, Fibrinopeptide B, human is not chemotactic for monocytes, and shows no interaction with PMN receptor for C5a, LTB₄, or fMLP[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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