



LKT Laboratories, Inc.

Fibrinogen γ -chain Dodecapeptide

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Product Information

Product ID F3205

CAS No. 89105-94-2

Chemical Name

Synonym Fibrinogen gamma-chain dodecapeptide, Fibrinogen Binding Inhibitor Peptide

Formula C₅₀H₈₀N₁₈O₁₆

Formula Wt. 1189.29

Melting Point

Purity \geq 98%

Solubility Soluble in water (2 mg/mL).

Store Temp -20°C

Ship Temp Ambient

Description Fibrinogen γ -chain dodecapeptide binds glycoprotein GP IIb/IIIa on platelets, exhibiting hemostatic, pro-thrombotic activity and enhancing thrombus formation. This peptide rescues thrombocytopenic rabbits from liver hemorrhage and is clinically used as a platelet substitute.

His-His-Leu-Gly-Gly-Ala-Lys-Gln-Ala-Gly-Asp-Val

Bulk quantities available upon request

Product ID	Size
F3205	1 mg
F3205	2 mg
F3205	5 mg

References Tokutomi K, Tagawa T, Korenaga M, et al. Ability of fibrinogen γ -derived dodecapeptides with different sequences to bind to rat platelets. *Int J Pharm.* 2012 Nov 15;438(1-2):296-301. PMID: 22985603.

Nishikawa K, Hagsawa K, Kinoshita M, et al. Fibrinogen γ -chain peptide-coated, ADP-encapsulated liposomes rescue thrombocytopenic rabbits from non-compressible liver hemorrhage. *J Thromb Haemost.* 2012 Oct;10(10):2137-48. PMID: 22905905.

Okamura Y, Maekawa I, Teramura Y, et al. Hemostatic effects of phospholipid vesicles carrying fibrinogen gamma chain dodecapeptide in vitro and in vivo. *Bioconjug Chem.* 2005 Nov-Dec;16(6):1589-96. PMID: 16287259.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.