Product Data Sheet

Product Name: Fibrinopeptide A, human (Human fibrinopeptide A)
Cat. No.: GC34044

Chemical Properties

Cas. No.	25422-31-5		
SMILES	Ala-Asp-Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-Glu-Gly-Gly-Gly-Val-Arg		
Formula	$C_{63}H_{97}N_{19}O_{26}$	M.Wt	1536.56
Solubility	Soluble in Water	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ 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 A, human is a 16-residue short polypeptide cleaved from fibrinogen by thrombin. Fibrinopeptide A, human locates at the NH2-termini of the Aα chain.

The conversion of monomeric fibrinogen into polymeric fibrin is mediated by thrombin, which binds to the central region of fibrinogen and catalyzes cleavage of the 2 short peptides, the 16-residue fibrinopeptide A (FpA) and the 14-residue fibrinopeptide B (FpB), located at the NH2-termini of the Aα and Bβ chains, respectively[1].

Fibrinopeptide A (FPA) is a small polypeptide cleaved from fibrinogen by thrombin, has a short half-life, and is considered a sensitive biochemical marker of thrombin activity, fibrin generation, and ongoing thrombosis[2].

[1]. Riedel T, et al. Fibrinopeptides A and B release in the process of surface fibrin formation. Blood. 2011 Feb 3;117(5):1700-6. [2]. Manolis AS, et al. Plasma level changes of fibrinopeptide A after uncomplicated coronary angioplasty. Clin Cardiol. 1993 Jul;16(7):548-52.

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