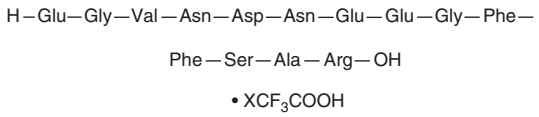
PRODUCT INFORMATION

[Glu^1] Fibrinopeptide B (trifluoroacetate salt)

Item No. 44042

Formal Name: (2S,5S,8S,11S,14S,20S,23S,26S,29S,32S,35S,41S)-41-amino-26,32-*bis*(2-amino-2-oxoethyl)-11,14-dibenzyl-20,23-*bis*(2-carboxyethyl)-29-(carboxymethyl)--2-(3-guanidinopropyl)-8-(hydroxymethyl)-35-isopropyl-5-methyl-4,7,10,13,16,19,22,25,28,31,34,37,40-tridecaoxo-3,6,9,12,15,18,21,24,27,30,33,36,39-tridecaazatetratetracontanedioic acid, trifluoroacetate salt



Synonyms: GFB, GluFib
Peptide Sequence: EGVNDNEEGFFSAR-OH
MF: $C_{66}H_{95}N_{19}O_{26}$ • XCF_3COOH
FW: 1,570.6
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥4 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

[Glu^1] Fibrinopeptide B is supplied as a solid. A stock solution may be made by dissolving the [Glu^1] fibrinopeptide B in the solvent of choice, which should be purged with an inert gas. [Glu^1] Fibrinopeptide B is slightly soluble (0.1-1 mg/ml) in DMSO.

[Glu^1] Fibrinopeptide B is slightly soluble (0.1-1 mg/ml) in aqueous solutions. To enhance aqueous solubility, dilute the organic solvent solution into aqueous buffers or isotonic saline. If performing biological experiments, ensure the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. We do not recommend storing the aqueous solution for more than one day.

Description

[Glu^1] Fibrinopeptide B is a synthetic peptide that corresponds to amino acids 1-14 of fibrinopeptide B with a glutamate instead of pyro-glutamine in position 1. It has been used as a model peptide and instrument control for peptide analysis by mass spectrometry (MS).[1,2]

References

1. Kristensen, D.B., Imamura, K., Miyamoto, Y., *et al.* Mass spectrometric approaches for the characterization of proteins on a hybrid quadrupole time-of-flight (Q-TOF) mass spectrometer. *Electrophoresis* **21(2)**, 430-439 (2000).
2. Davalieva, K., Kiprijanovska, S., Dimovski, A., *et al.* Comparative evaluation of two methods for LC-MS/MS proteomic analysis of formalin fixed and paraffin embedded tissues. *J. Proteomics* **235**, 104117 (2021).

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