



>>Entry Name: Fibrinopeptide

Related CAS Registry Numbers(s): 36196-16-4 36204-23-6 36467-82-0 51725-21-4 51725-27-0 55527-72-5 57323-27-0 67197-12-0 79806-61-4 83215-30-9 83215-31-0 97136-09-9 97210-18-9

H-Ala-Asp-³Ser-Gly-Glu-Gly-Asp-Phe-Leu-Ala-Glu-Gly-Gly-Gly-Val-Arg-OH

General Statement: Human fibrinopeptides A, B, Y and AP have been characterised. Struct. of fibrinopeptide A is shown. AP differs in having the ³Ser residue phosphorylated. B and Y are tetradeca- and pentadecapeptides resp.

Biological Source: Fibrinopeptides A and B are released from fibrinogen by proteolytic action of thrombin in the conversion of fibrinogen to fibrin during blood coagulation

>>Variant: Fibrinopeptide A (human)

CAS Registry Number: 25422-31-5

Optical Rotation: $[\alpha]_{\text{D}}^{28} -44.8$ (c, 2.30 in H₂O)

Sigma: F5765

References:

- Blombäck, B. *et al.*, *Nature (London)*, 1962, **193**, 883
Blombäck, B. *et al.*, *Biochim. Biophys. Acta*, 1966, **115**, 371, (*isol, struct*)
Johnson, B.J. *et al.*, *J. Pharm. Sci.*, 1969, **58**, 1568, (*synth*)
Anantharamaiah, G.M. *et al.*, *Curr. Sci.*, 1974, **43**, 245, (*synth*)
Balestrieri, C. *et al.*, *Biochim. Biophys. Acta*, 1975, **405**, 517
Doolittle, R.F., *Handb. Biochem. Mol. Biol.*, 3rd Ed., CRC Press, Cleveland, 1976, 431
Takagi, T. *et al.*, *Biochim. Biophys. Acta*, 1978, **534**, 161, (*isol, struct*)