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32-6249: Batroxobin Protein

Alternative Name : Thrombin-like enzyme batroxobin, EC 3.4.21.74, BX, Bothrops atrox serine proteinase, Venombin-A, Defibrase, Reptilase, Batroxobin.

Description

Batroxobin, isolated from Bothrops atrox snake venom, has an Mw of approximately 43 kDa. Batroxobin is a serin protease that reduces fibronogen levels and is originally extracted from snake venom of Bothrops Atrox. Batroxobin is used in defibrinogenation and thrombolysis and also has an effect on c-fos gene and growth factor. Batroxobin can efficiently restrain the proliferation of VSMCs, by blocking the release and uptake of Ca2+, thus influencing [Ca2+]. Batroxobin converts fibrinogen to fibrin through the restricted release of fibrinopeptide-A from fibrinogen to promote blood to clot. Unlike thrombin, it is not affected by heparin and hirudin.

Product Info

Amount :	50 µg
Content :	The Batroxobin protein was lyophilized from a concentrated (1mg/ml) solution with no additives.
Storage condition :	Batroxobin although stable at room temperature for 3 weeks, should be stored below -18°C. Upon reconstitution Batroxobin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized Batroxobin in sterile 18M-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.