

32-13714: Batroxobin

Format : The Batroxobin protein was lyophilized from a concentrated (1mg/ml) solution with no additives.

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

Description

Source:null

Physical Appearance: Sterile Filtered white lyophilized powder.

Biological Activity: null

Batroxobin is a serin protease that reduces fibrinogen 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 proliferation of VSMCs, by blocking the release and uptake of Ca^{2+} , thus influencing $[Ca^{2+}]_i$. 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.

Batroxobin, isolated from Bothrops atrox snake venom, has an Mw of approximately 43kDa.

Product Info

Amount : 50 µg / 10 µg

Purification : null

Storage condition : Store the lyophilized Batroxobin between 2-8°C. Do not freeze!

Application Note

It is recommended to reconstitute the lyophilized Batroxobin in sterile 18MO-cm H₂O not less than 100 µg/ml or more than 10mg/ml solutions.