

## 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 Arox. 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 H<sub>2</sub>O not less than 100 µg/ml or more than 10mg/ml solutions.