

**Hinweis/Note:**

**PENTAPHARM**

Der Packungsbeileger dient nur als erste Information. Der relevante Packungsbeileger liegt der Ware bei.  
The datasheet is for information purposes only. The current datasheet will be enclosed with product shipment.

# Batroxobin maranhao

**Description:** Batroxobin is a thrombin-like proteolytic enzyme isolated from the venom of *Bothrops atrox*. It splits the 16 Arg-17 Gly bond in the A $\alpha$ -chain of fibrinogen and causes the release of fibrinopeptide A and the formation of fibrin I monomer or Des-AA-monomer which spontaneously aggregates into a clot of fibrin I.  
Batroxobin also induces the release of tPA from endothelium.

**Application:** Due to its specific action on fibrinogen and its ability to clot platelet-rich plasma without affecting the integrity and functions of the platelets, and thanks to its insensitivity to thrombin inhibitors, batroxobin has found several applications as a tool in blood coagulation research and diagnosis.  
Batroxobin can be used to determine fibrinogen in plasma, to measure the batroxobin clotting time (Reptilase<sup>®</sup> time) as a heparin-insensitive parallel to the thrombin time, to investigate dysfibrinogenemia, and to test the contractile system of platelets.

**Origin:** *Bothrops atrox* snake venom

**MW:** approx. 43'000

**Storage:** May be used by the expiry date given on the label when stored unopened, protected from moisture. Avoid contamination of the reagents by micro-organisms.  
Shipment of product does not require cooling during the time of transportation.  
Vial 1'000 BU/vial 2° – 8°C

**References:** Stocker K.  
Application of snake venom proteins in the diagnosis of hemostatic disorders.  
In: Medical Use of Snake Venom Proteins, Stocker K, ed. Boca Raton: CRC-Press  
1990; 213-52.

**Package size:** Vial containing 1'000 BU

**Code:** 101-06

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