

**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 100 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 100 BU

**Code:** 101-04

FOR RESEARCH USE ONLY. NOT FOR HUMAN USE OR DRUG USE.

Registered as  
DSM Nutritional Products Ltd Branch Pentapharm  
Dornacherstrasse 112, CH-4147 Aesch BL/Switzerland  
Phone: +41 61 706 48 48, Fax: +41 61 706 48 00, [www.pentapharm.com](http://www.pentapharm.com)

**Distributed by:**

**LOXO** GMBH  
IMMUNOLOGIE • MOLEKULARBIOLOGIE  
BIOCHEMIE • PRODUKTE UND SYSTEME

69215 Dossenheim, Postfach 1130  
Tel.: +49 6221 868023  
Fax: +49 6221 8680255  
E-Mail: [info@loxo.de](mailto:info@loxo.de)  
Internet: [www.loxo.de](http://www.loxo.de)