

## scutellarin

Cat. No. EXWM-4151

Lot. No. (See product label)

### Introduction

#### Description

From the venom of the Taipan snake (*Oxyuranus scutellatus*). Converts prothrombin to thrombin. Specificity is similar to that of Factor Xa (EC 3.4.21.6). However, unlike Factor Xa this enzyme can cleave its target in the absence of coagulation Factor Va. Activity is potentiated by phospholipid and  $\text{Ca}^{2+}$  which binds via  $\gamma$ -carboxyglutamic acid residues. Similar enzymes are known from the venom of other Australian elapid snakes, including *Pseudonaja textilis textilis*, *Oxyuranus microlepidotus* and *Demansia nuchalis affinis*.

#### Synonyms

taipan activator; *Oxyuranus scutellatus* prothrombin-activating proteinase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 3.4.21.60

#### CAS No.

93389-45-8

#### Reaction

Selective cleavage of Arg↓Thr and Arg↓Ile in prothrombin to form thrombin and two inactive fragments

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.