Creative Enzymes®

scutelarin

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 Ca2+ which binds via γ-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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.