Creative Enzymes®

tentoxilysin

Cat. No. EXWM-4351

Lot. No. (See product label)

Introduction

Description	Zinc enzyme produced by Clostridium tetani. Proenzyme of 150 kDa is processed to disulfide-linked subunits of 100 and 50 kDa, the latter being responsible for the endopeptidase activity. Weakly inhibited by captopril, and phosphoramidon. The clostridial neurotoxins disable the neuroexocytosis apparatus, and have been described as the most toxic substances known. Tentoxilysin acts at the spinal inhibitory interneurons, blocking the release of various neurotransmitters to produce spastic paralysis. Type example of peptidase family M27 (tentoxilysin family)
Synonyms	tetanus neurotoxin

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.24.68
CAS No.	107231-12-9
Reaction	Hydrolysis of -Gln76┼Phe- bond in synaptobrevin (also known as neuronal vesicle-associated membrane protein, VAMP)
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 ℃.