Creative Enzymes®

bontoxilysin

Cat. No. EXWM-4352

Lot. No. (See product label)

Introduction

Description	This zinc enzyme, produced by Clostridium botulinum, occurs as forms A-G that differ in specificity of action on the proteins of the neuroexocytosis apparatus. The 150-kDa proenzymes of bontoxilysin are processed to disulfide-linked subunits of 100 and 50 kDa, the latter being responsible for the endopeptidase activities. Weakly inhibited by captopril, and phosphoramidon. Toxicity is due to action at the neuromuscular junctions that blocks release of acetylcholine, causing flaccid paralysis, in contrast to the spastic paralysis caused by tentoxilysin. In peptidase family M27 (tentoxilysin family)
Synonyms	botulinum neurotoxin; BoNT

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.4.24.69
CAS No.	107231-12-9
Reaction	Limited hydrolysis of proteins of the neuroexocytosis apparatus, synaptobrevin (also known as neuronal vesicle-associated membrane protein, VAMP), synaptosome-associated protein of 25 kDa (SNAP25) or syntaxin. No detected action on small molecule substrates
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 ℃.