Drug Discovery & Development

Method Of Preparing Botulinum Neurotoxin Type A Light Chain

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WARF: P04467US

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The Invention

The present invention provides a preparation of botulinum toxin light chain type A or E, wherein the preparation is both catalytically active and soluble. Preferably, the preparation consists essentially of amino acid residues 1 through 425 of the botulinum toxin light chain type A. A method of screening inhibitors is also provided, wherein the method comprises exposing a test inhibitor to the preparation of botulinum toxin light chain type A and evaluating the biological activity of the preparation. In another embodiment, a method of providing a catalytically active, soluble preparation of botulinum toxin light chain, type A is provided, wherein the method comprises obtaining an expression vector comprising a DNA sequence encoding amino acid residues 1-425 and expressing a polypeptide.

Additional Information

For More Information About the Inventors

- Eric Johnson

Tech Fields

- Drug Discovery & Development : Drug production & design

For current licensing status, please contact Andy DeTienne at adetienne@warf.org or 608-960-9857