

## α-Bungarotoxin

Cat. No. CEI-1182

Lot. No. (See product label)

### Introduction

**Description** α-Bungarotoxin is a snake venom-derived toxin that irreversibly binds nicotinic acetylcholine receptors ( $K_i = \sim 2.5 \mu\text{M}$  in rat) present in skeletal muscle, blocking action of acetylcholine at the postsynaptic membrane and leading to paralysis. It has been widely used to characterize activity at the neuromuscular junction, which has numerous applications in neuroscience research.

**Synonyms** α-BTX, α-Bgt

### Product Information

**Appearance** A white to off-white solid

**CAS No.** 11032-79-4

**Molecular Formula** C338H529N97O105S11

**Molecular Weight** 7984.3

**Purity** >99%

**Targets** α7, α1/β1/γ/δ nAChR, GABA(A) receptor subtypes

**Solubility** Soluble in aqueous buffers

**Amino Acid Sequence** IVCHTTATSPISAVTCPPGENLCYRKMWCDAFCSSRGKVVELGCAATCPSKKPYEEVTCCSTDKCNPHPKQRP

### Storage and Shipping Information

**Storage** -20 centigrade

**Stability** 1 years

**Shipping Conditions** Room temperature in continental US; may vary elsewhere