Creative Enzymes®

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 (Ki = ~ 2.5 μM 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	IVCHTTATSPISAVTCPPGENLCYRKMWCDAFCSSRGKVVELGCAATCPSKKPYEEVTCCSTDKCNPHPKQRPG

Storage and Shipping Information

Storage	-20 centigrade
Stability	1 years
Shipping Conditions	Room temperature in continental US; may vary elsewhere