α-Bungarotoxin
Item No. 16385

CAS Registry No.: 11032-79-4
Synonyms: α-Bgt, α-BTX
Peptide Sequence: IVCHTTTAPSAVTCPPGENLCY
RKMWCDAFCSRSSRGKVELGAA
TCPSSKKPVEETCSTDKCNPHP
KQRPG
(Modifications: Disulfide bridge between 3-23, 16-44, 29-33, 48-59, 60-65)
FW: 7,984.3
Purity: ≥99%
Stability: ≥1 year at -20°C
Supplied as: A white to off-white solid
Solubility: Soluble in aqueous buffers

α-Bungarotoxin is a snake venom-derived toxin that irreversibly binds nicotinic acetylcholine receptors (Kd = ~2.5 µM in rat) present in skeletal muscle, blocking action of acetylcholine at the postsynaptic membrane and leading to paralysis.1-3

It has been widely used to characterize activity at the neuromuscular junction, which has numerous applications in neuroscience research.4-5

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/16385

References

WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

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This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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