

Alpha-Bungarotoxin

Cat #: BGT-CHM-400

Size: 1mg

Storage: Store at -20°C protected from light.

Product Description

α -Bungarotoxin is a potent polypeptide neurotoxin from the venom of certain snake species that is an inhibitor of the motor endplate acetylcholine receptors found at the neuromuscular junction. Fluorescent conjugates of α -bungarotoxin can be used for imaging of nicotinic acetylcholine receptors (AChRs).

α -Bungarotoxin may also be used for detection of GABAA receptor subsets in cells, or for labeling recombinant proteins that express the α -bungarotoxin binding site (BBS) epitope tag.

Note: α -bungarotoxin comprises two polypeptide species of similar size (MW: ~8,000 Dalton), both of which bind to nicotinic acetylcholine receptors at the neuromuscular junction at equally high affinity and selectivity. The reason for the presence of two polypeptides is not clear, but may be related to the snake species from which the toxin is isolated.

Product Properties

Form: Powder

Solubility: Soluble in water or aqueous buffer

Storage and Handling

Store at -20°C and protect from light, especially when in solution. Product is stable for at least 1 year from date of receipt when stored as recommended.

Stock solutions can be prepared in PBS at 0.5 mg/mL and stored at 4°C for at least 6 months, or in single use aliquots at -20°C for longer term storage. Avoid multiple freeze-thaw cycles