

ShK toxin TFA

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	ShK toxin TFA (Stichodactyla helianthus neurotoxin TFA) is a neurotoxin that inhibits voltage-gated potassium channels (Kv1.3 channels). This toxin can be isolated from the crude extracts of the Caribbean sea anemone (Stichodactyla helianthus). It competes with Dendrotoxin I and α -dendrotoxin for binding to rat brain synaptosomal membranes, facilitating the release of acetylcholine. ShK toxin TFA suppresses K ⁺ currents in cultured rat dorsal root ganglion neurons and also inhibits T lymphocyte proliferation.
Targets(IC50)	Potassium Channel

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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