

Margatoxin TFA

Chemical Properties

CAS No. :

Formula: C178H286N52O50S7.xC2HF3O2

Molecular Weight:

Keep away from moisture

Storage:

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	Margatoxin TFA, an alpha-KTx scorpion toxin isolated from <i>Centruroides margaritatus</i> venom, is a 39-amino-acid peptide that serves as a high-affinity inhibitor of Kv1.3 (Kd = 11.7 pM). It also inhibits Kv1.2 (Kd = 6.4 pM) and Kv1.1 (Kd = 4.2 nM), making it a valuable tool for ion channel research [1] [2].
Targets(IC50)	Potassium Channel
In vivo	In 12-week-old C57BL/6J mice, Margatoxin TFA (ip; 1 pmol/g) significantly reduced thioglycollate-induced peritoneal leukocyte migration [2].

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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