

Mambalgin 1 TFA

Cat. No.:	HY-P1441A
Molecular Formula:	C ₃₁₂ H ₄₈₂ F ₃ N ₈₇ O ₁₀₂ S ₈
Molecular Weight:	7397.24
Sequence Shortening:	LKCYQHKGWVTCRDMKFCYHNTGMPFRNLKILQGCSSSCSETENKCCSTDRCNK (Disulfide bridge:Cys3-Cys19;Cys12-Cys37;Cys41-Cys49;Cys50-Cys55)
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Mambalgin 1 TFA is a selective ASIC1a inhibitor (IC₅₀ values are 192 and 72 nM for human ASIC1a and ASIC1a/1b dimer, respectively). Mambalgin 1 TFA binds to closed/inactive channel. Mambalgin 1 TFA is selective for ASIC1a over ASIC2a, ASIC3, TRPV1, P2X2, 5-HT3, Nav1.8, Cav3.2 and Kv1.2 channels. Mambalgin 1 TFA increases latency of withdrawal response in mouse tail-flick and paw-flick tests.

Caution: Product has not been fully validated for medical applications. For research use only.

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