VSTx-3

Cat. No.:	HY-P5916
Molecular Formula:	$C_{182}H_{261}N_{51}O_{51}S_6$
Molecular Weight:	4171.72
Sequence:	Asp-Cys-Leu-Gly-Trp-Phe-Lys-Gly-Cys-Asp-Pro-Asp-Asn-Asp-Lys-Cys-Cys-Glu-Gly-Tyr-Lys-Cys-Asn-Arg-Arg-Asp-Lys-Trp-Cys-Lys-Tyr-Lys-Leu-Trp (Disulfide bridge: Cys2-Cys 17, Cys9-Cys22, Cys16-Cys29)
Sequence Shortening:	DCLGWFKGCDPDNDKCCEGYKCNRRDKWCKYKLW (Disulfide bridge: Cys2-Cys17, Cys9-Cys22, Cys16-Cys29)
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	VSTx-3 is a K_V channel blocker. VSTx-3 is demonstrated to be a potent, TTX-sensitive sodium channel blocker and especially, a potent blocker of NaV1.8 channels (IC_{50} 0.19 μM for hNaV1.3, 0.43 μM for hNaV1.7 and 0.77 μM for hNaV1.8 channels).

REFERENCES

[1]. Ronit S Cherki, et al. Two tarantula venom peptides as potent and differential Na(V) channels blockers. Toxicon. 2014, 58.

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