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Venom characterization of the Amazonian scorpion *Tityus metuendus*

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26 **Summary**

27 The soluble venom from the scorpion *Tityus metuendus* was characterized by various methods. *In*
28 *vivo* experiments with mice showed that it is lethal. Extended electrophysiological recordings using
29 seven sub-types of human voltage gated sodium channels (hNav1.1 to 1.7) showed that it contains
30 both α - and β -scorpion toxin types. Fingerprint analysis by mass spectrometry identified over 200
31 distinct molecular mass components. At least 60 sub-fractions were recovered from HPLC

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