

Supplementary data

Figure S1: A real photo of a scorpion: *Buthus occitanus tunetanus*



Table S1 : *In vivo* toxicity tests: increasing amounts of native and synthetic Bot33 were performed by i.c.v. injection routes into black mice model. Toxicity symptoms were monitored during 24h.

Native and synthetic Bot33 concentrations (ng/mouse)	Time (h)	Mice (death/total)
10	24	0/6
15	24	0/6
20	24	0/6
25	24	0/6
30	24	0/6
37	24	0/6