

Supplementary Materials

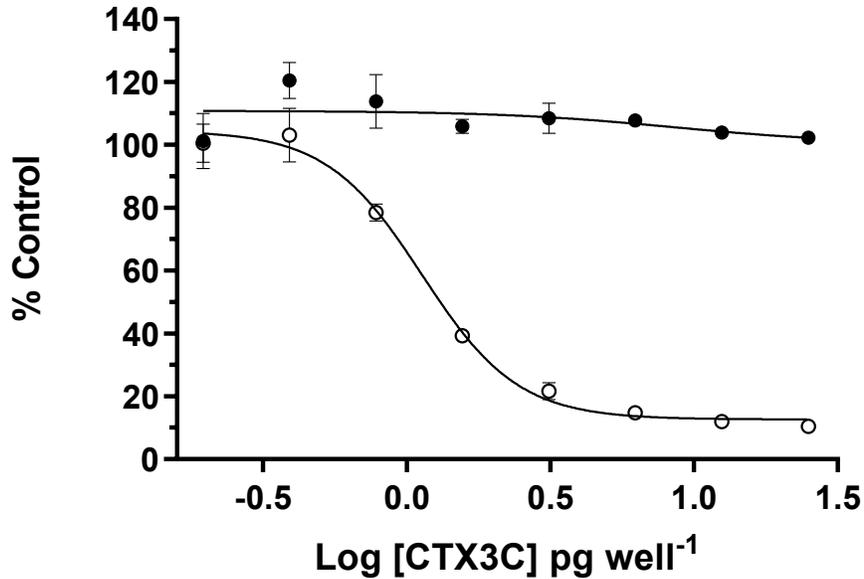


Figure S1. Representative CTX3C curve on N2a-MTT assay. CTX3C curves were run along-side each assay conducted on samples to qualitatively confirm the response of +OV and -OV treatments to CTX3C standard. Serial dilutions of toxin standards were dosed with (+OV; open symbols) and without (-OV; closed symbols) ouabain and veratrine. Data were normalized as a percent to their respective OV controls and each data point represents the mean \pm SD. In some cases the error bars are obscured by the symbols. At least two standard curves were performed with each round of assays for QAQC purposes.

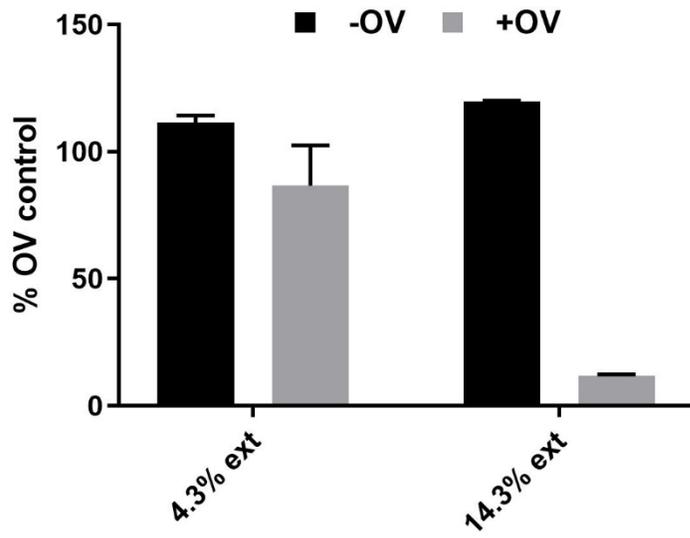


Figure S2. Interference of H₂O partition controls on the N2a assay. Controls consisted of fresh K-media extracted with HP-20 in the same manner as experimental samples. Bars represent mean of triplicate controls \pm SE.

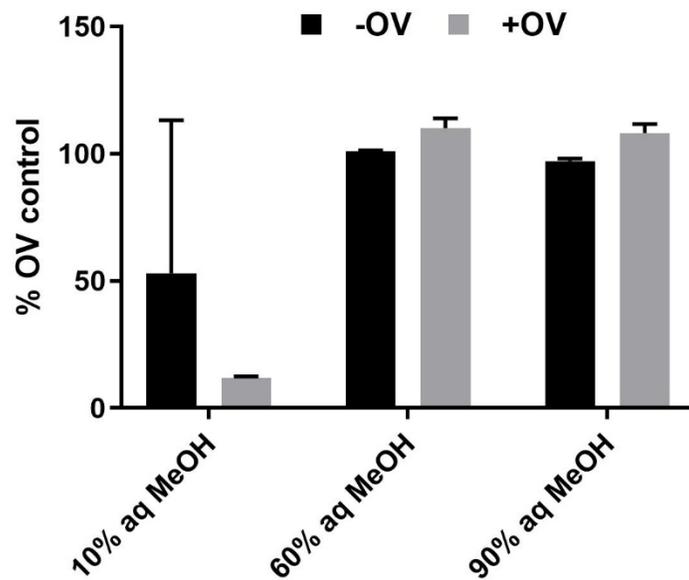


Figure S3. Interference of H₂O partition controls on the N2a assay following clean-up via flash chromatography with C18-SPE. Controls consisted of fresh K-media extracted with HP-20 in the same manner as experimental samples. Bars represent mean of triplicate controls \pm SE.

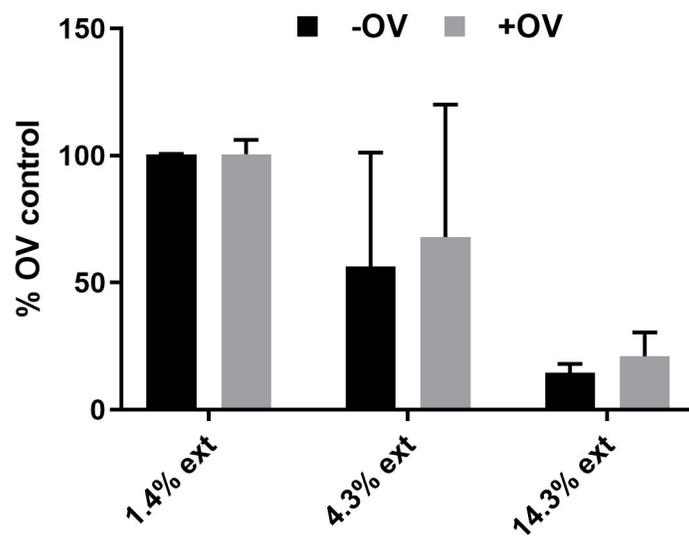


Figure S4. Interference of EtOAc partition controls on the N2a assay. Controls consisted of fresh K-media extracted with HP-20 in the same manner as experimental samples. Bars represent mean of triplicate controls \pm SE.

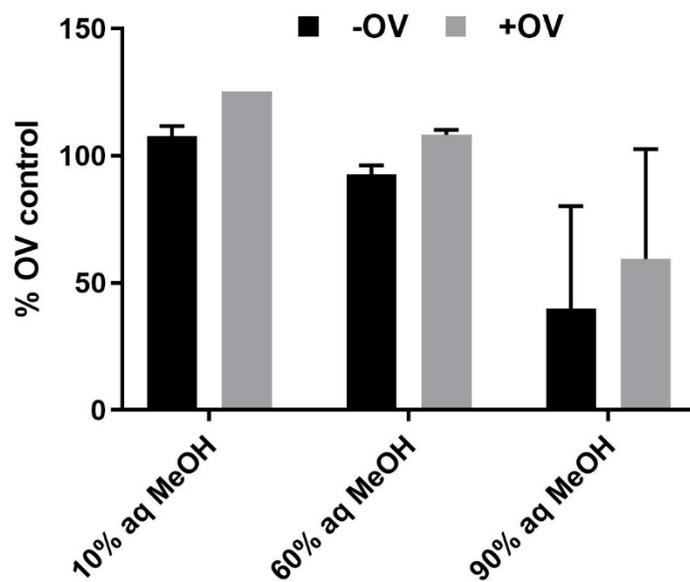


Figure S5. Interference of EtOAc partition controls on the N2a assay following clean-up via flash chromatography with C18-SPE. Controls consisted of fresh K-media extracted with HP-20 in the same manner as experimental samples. Bars represent mean of triplicate controls \pm SE.

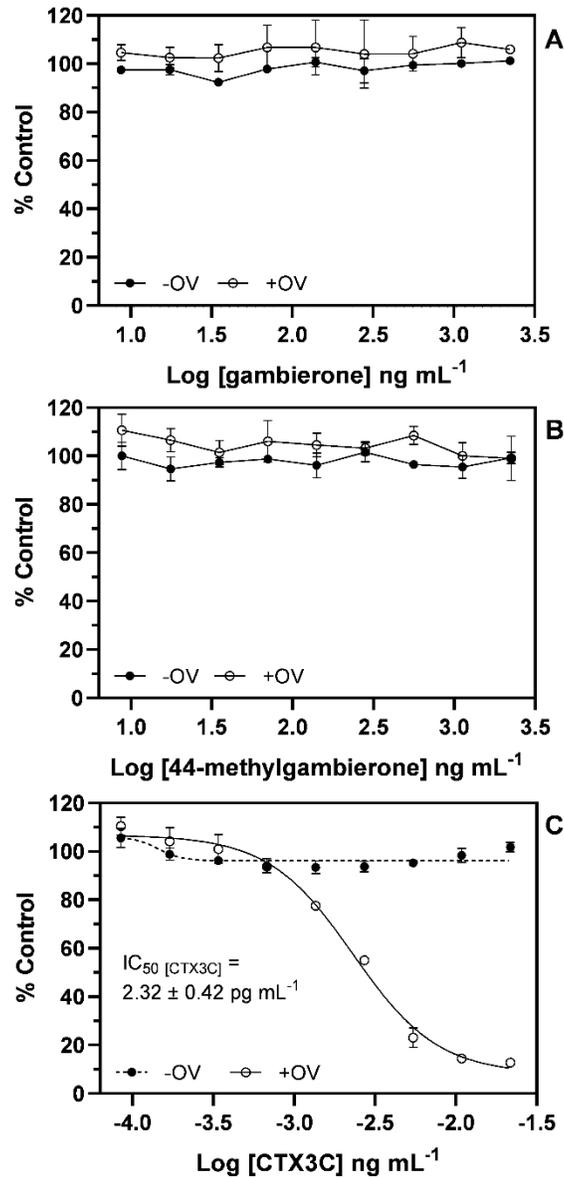


Figure S6. Effect of gambierone (A) and 44-Methylgambierone (B) on the N2a-MTT assay compared to a CTX3C (C). Serial dilutions of toxin standards were dosed with (+OV; open symbols) and without (-OV; closed symbols) ouabain and veratrine. Data were normalized as a percent to their respective OV controls (% control) and obtained from three independent assays, all conducted in triplicate. All concentrations were converted to the same units (log [ng mL⁻¹]) for ease of comparison. The mean ± SD between measurements is plotted and IC₅₀ calculated for CTX3C in pg mL⁻¹ (text inset).