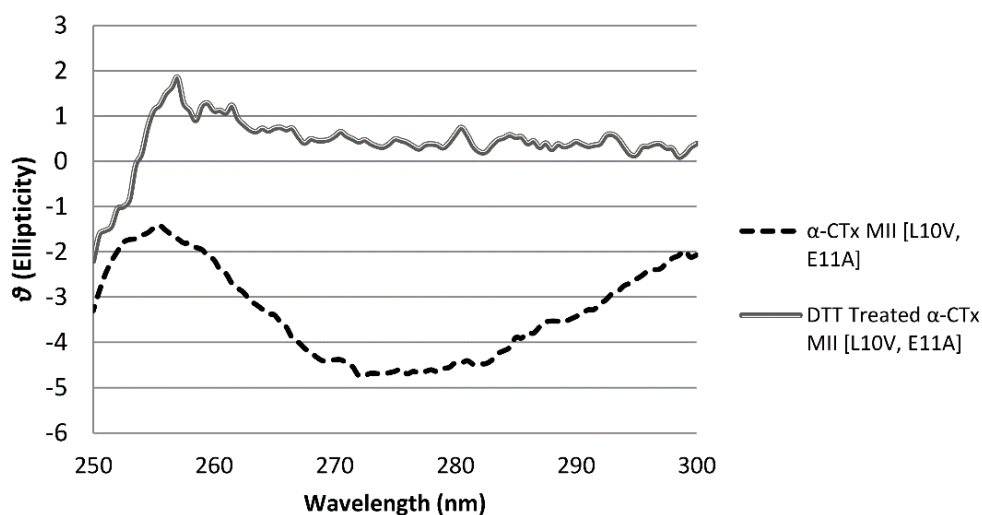
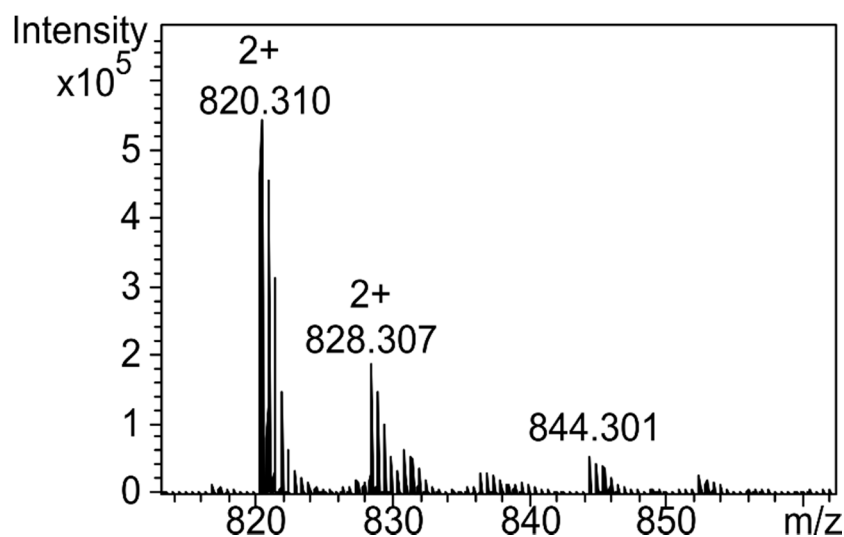


# Supplementary Materials: $\alpha$ -Conotoxin Decontamination Protocol Evaluation: What Works and What Doesn't

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**Figure S1.** Near UV data of untreated and dithiothreitol treated  $\alpha$ -CTx MII (L10V, E11A) is shown. The loss of the broad band at 275 nm corresponds to the reduction of disulfide bonds.



**Figure S2.**  $\alpha$ -CTx MII (L10V, E11A) exposed to ozone for 24 hrs. Approximately 30% of  $\alpha$ -CTx MII (L10V, E11A) has a mass shift of 16 Da following ozone treatment, as observed as 8 Da shift from 820.310 to 828.307 in the doubly charged ion. This did not result in a change in secondary structure.

**Table S1.** Concentration of chemicals when analyzed by far-UV CD spectroscopy. The concentration of  $\alpha$ -CTx MII (L10V, E11A) was 50  $\mu$ M in each trial.

Treatment	Concentration
6% Sodium hypochlorite	0.3%
1% Contrex™ EZ	0.05%
8 M Urea	80 mM
6 M HCl	60 mM
2% Gluteraldehyde	0.5%
1%Gluteraldehyde/1% formaldehyde	0.5%/0.5%
10 mM DTT	500 $\mu$ M
500 $\mu$ M Glutathione	500 $\mu$ M
10% Hydrogen peroxide	0.03%