

## Supplementary Information

### A novel antimicrobial reduces oxidative stress in cells

Eliza James,<sup>1</sup> Helena Viola,<sup>2</sup> Livia Hool,<sup>2</sup> Paul K. Eggers,<sup>1</sup> Colin L. Raston<sup>1,3\*</sup>, and  
Ramiz A. Boulos<sup>1\*</sup>

#### Cyclic Voltammetry

The electrochemical measurements were carried out with a Reference 600 computer-controlled potentiostat/galvanostat/ZRA from Gamry Instruments. The testing was used with a Pt wire as counter electrode and a 3.5 M KCl Ag–AgCl electrode as reference electrode. The working electrode was a glassy carbon electrode 5 mm in diameter (electrode area 0.2 cm<sup>2</sup>) and polished to a mirror-finish with alumina (1.0, 0.3 and 0.05 μm) prior to use. All the experiments were carried out at ambient conditions in 100 mM KNO<sub>3</sub> buffered at pH 7 using 10 mM phosphate.

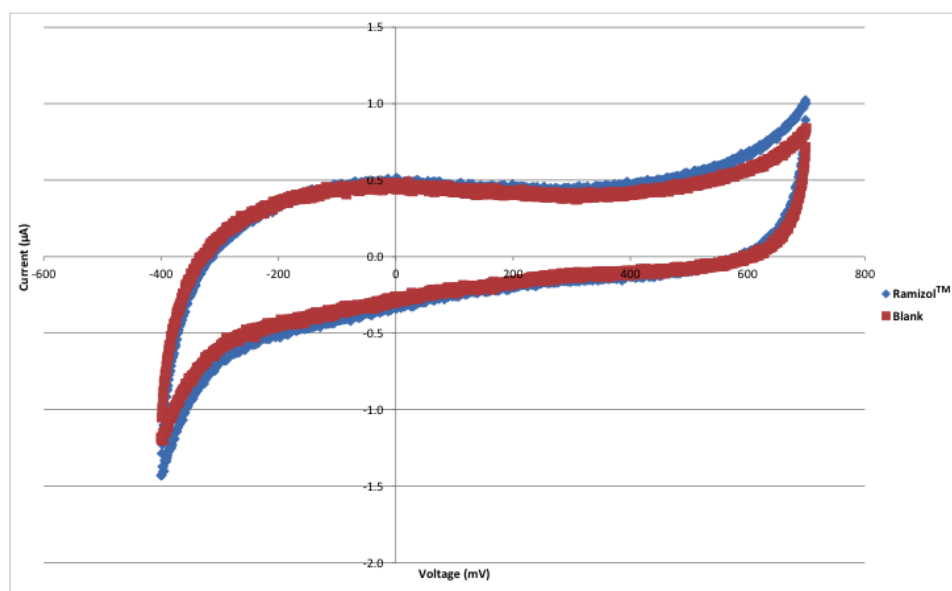


Fig. S1 – Cyclic voltammogram of 1.0 mM Ramizol™ in 100 mM KNO<sub>3</sub> and 10 mM NaPO<sub>4</sub> (pH 7) vs 3.5 M KCl Ag–AgCl