

Supplementary material for the article:

Janović, B. S.; Collins, A. R.; Vujčić, Z. M.; Vujčić, M. T. Acidic Horseradish Peroxidase Activity Abolishes Genotoxicity of Common Dyes. *Journal of Hazardous Materials* **2017**, *321*, 576–585. <https://doi.org/10.1016/j.jhazmat.2016.09.037>

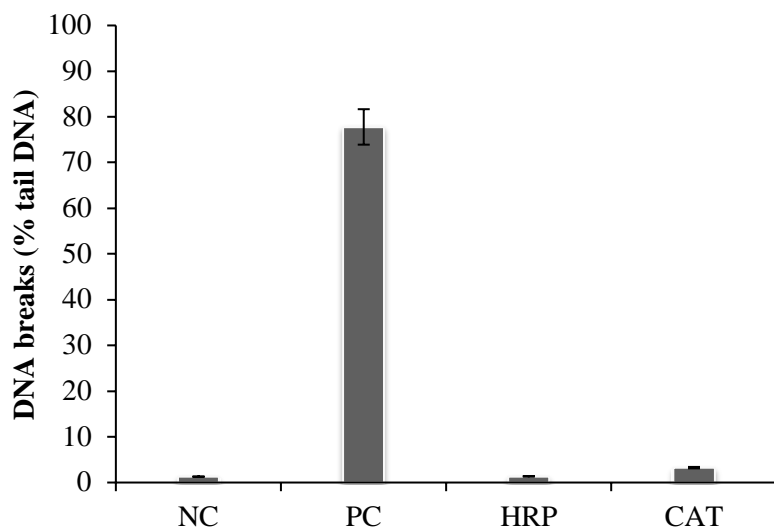


Fig. S1. Detection of DNA damage (% tail DNA) using the Comet assay with the BEAS-2B cells. The y-axis shows the mean \pm SD of DNA damage measured through tail intensity parameter. The experiments were conducted in triplicate and repeated twice. NC- negative control (PBS), PC- positive control (50 μ M H₂O₂), HRP- acidic horseradish peroxidase (3 U ml⁻¹), CAT- catalase (3 U ml⁻¹).

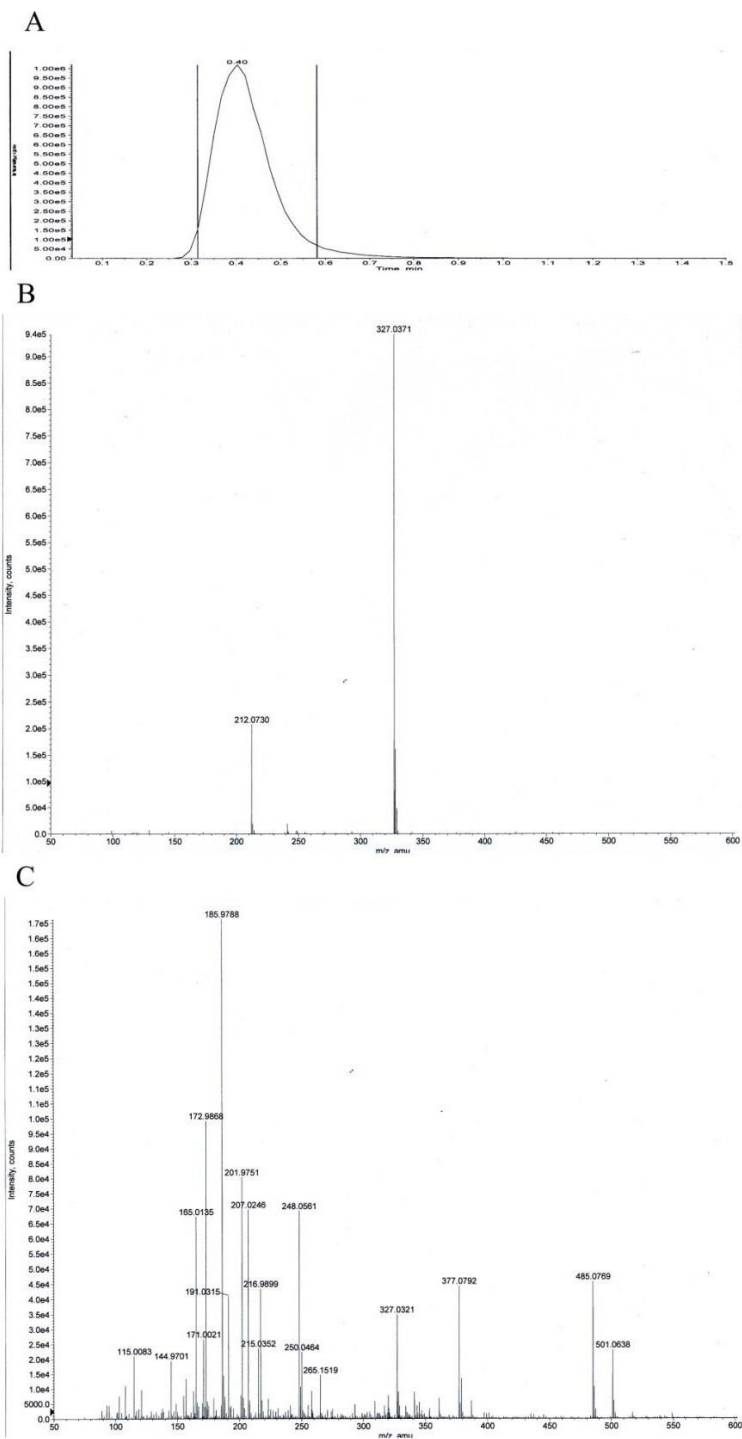


Fig. S2. (A) HPLC profile of Orange II. (B) The mass spectrum of OR2 peak at 0.40 min. (C) TOF-MS of OR2 after enzymatic degradation by HRP-A.