

**Hybrid nanovesicles derived from grapes and tomatoes with synergistic
antioxidative activity**

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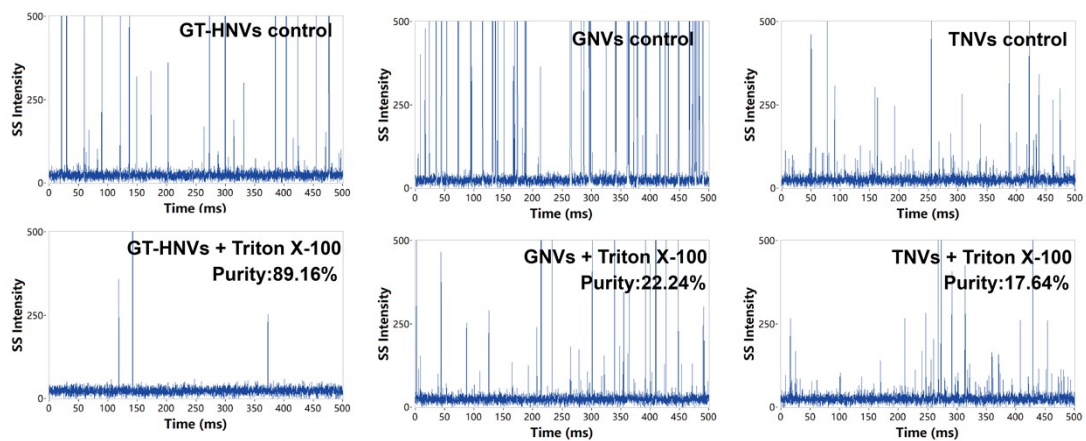


Figure S1. Purity assessment of NVs. Particle concentrations of GT-HNVs, GNVs, and TNVs were analyzed using nFCM, before and after lysis with 1% Triton X-100.

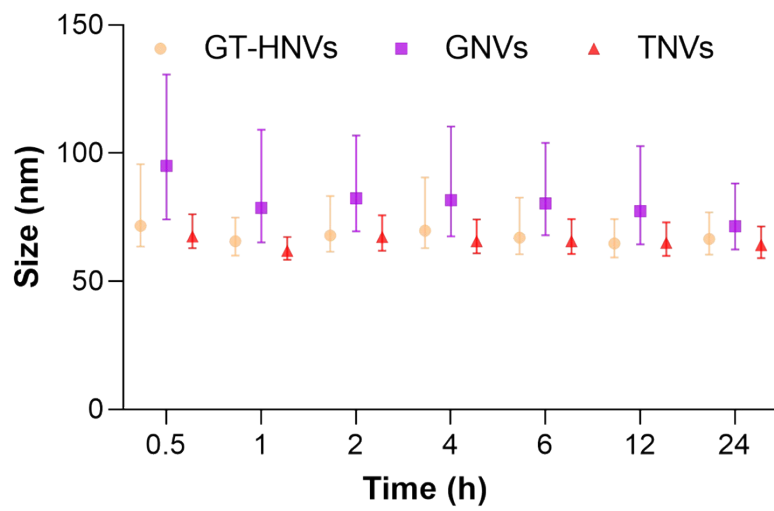


Figure S2. Stability assessment of NVs. The size distribution of GT-HNVs, GNVs, and TNVs when incubated in PBS at 37 °C for varying durations was analyzed by nFCM. The results are represented as median values with interquartile ranges.

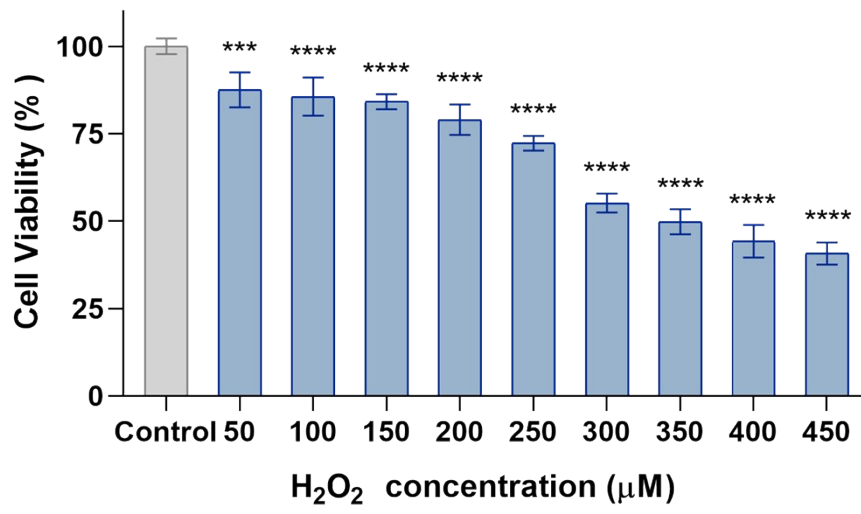


Figure S3. Cell viability of L-02 cells treated with different concentrations of H₂O₂.

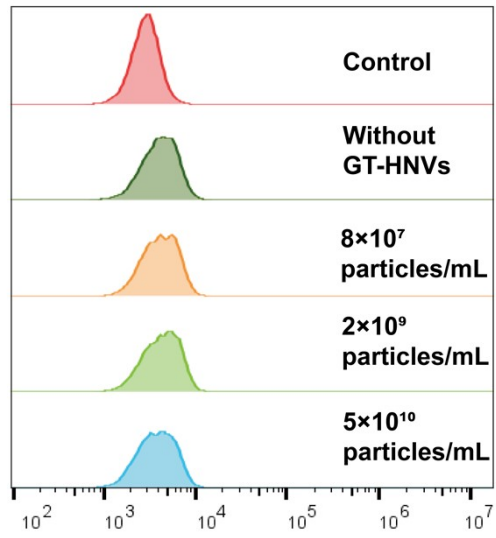


Figure S4. FCM analysis of ROS levels in L-02 cells treated with different GT-HNVs concentrations.

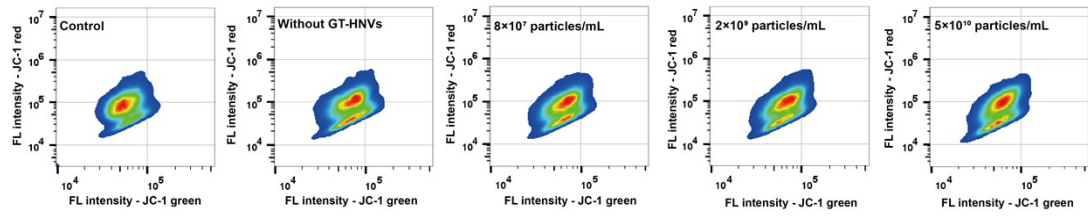


Figure S5. FCM analysis of mitochondria membrane potential in L-02 cells treated with different GT-HNVs concentrations.