

Example of Combination 1 (Ratio 1:1) Preparation

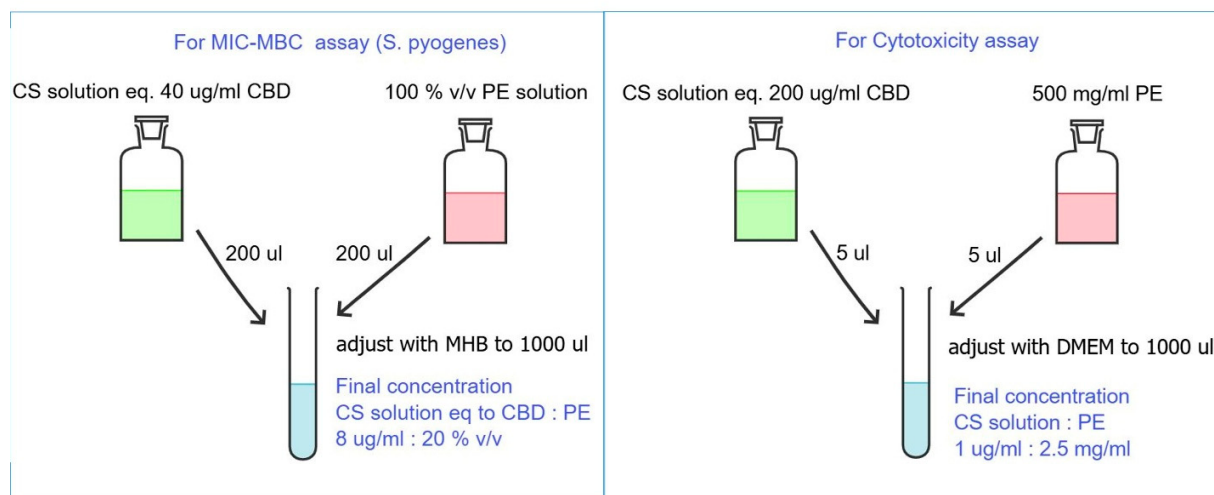


Figure S1. Preparation steps of Combination 1 (1:1 ratio) for biological evaluations.

(Left) For antibacterial evaluation using the MIC-MBC assay against *Streptococcus pyogenes*, 200 μ L of CS^{sol} (equivalent to 40 μ g/mL CBD) was mixed with 200 μ L of 100% v/v PE^{sol}. The mixture was then adjusted with MHB to a final volume of 1,000 μ L. The final concentration of the combination was CS^{sol} (CBD equivalent): PE^{sol} = 8 μ g/mL : 20% v/v.

(Right) For cytotoxicity and anti-inflammatory assays, 5 μ L of CS^{sol} (equivalent to 200 μ g/mL CBD) and 5 μ L of PE (500 mg/mL) were mixed and diluted with DMEM to a final volume of 1,000 μ L. The final concentration of the combination was CS^{sol}:PE = 1 μ g/mL : 2.5 mg/mL.

Supplementary File S2

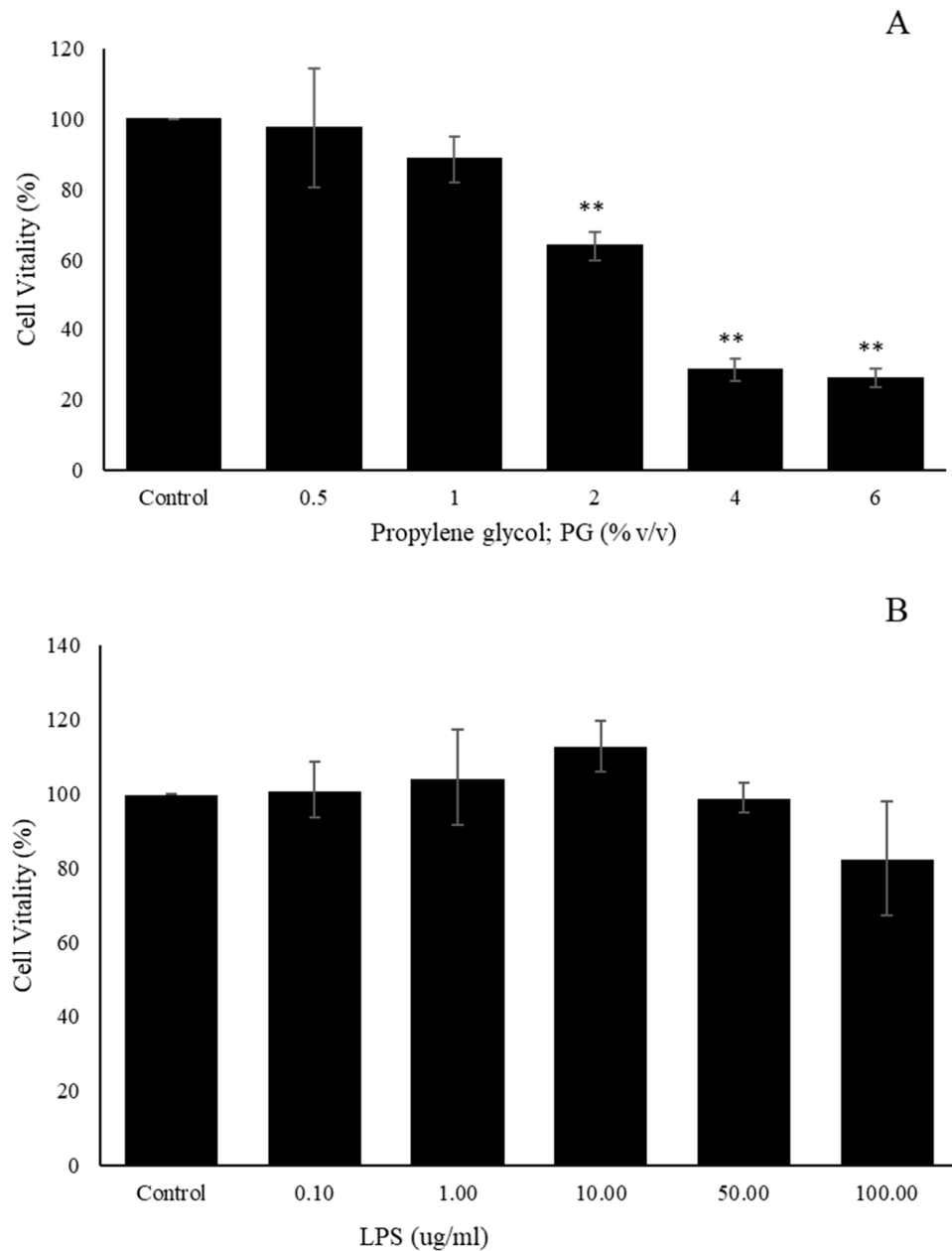


Figure S2. Viability of RAW264.7 cells after 24-hour treatment with (A) propylene glycol (PG), which was used as the solvent for CS^{sol}, and (B) lipopolysaccharide (LPS), which was used to induce inflammation. Cell viability was assessed using the MTT assay (n = 3). Results are expressed as mean $\pm$ standard error of the mean (SEM) and were analyzed using one-way ANOVA. *p < 0.05 and **p < 0.01 compared to the untreated control group.

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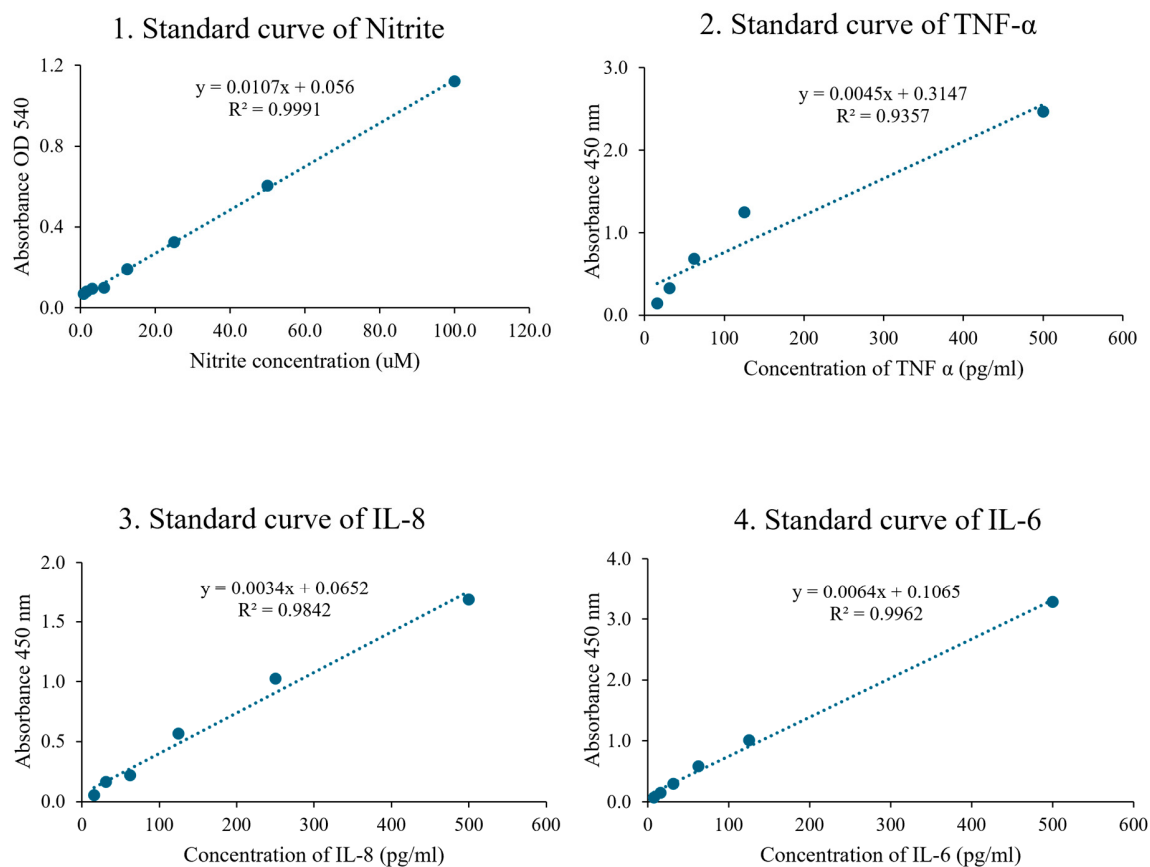


Figure S3. The standard curve of nitrate (1) with R^2 was used for the calculation of NO production, while the standard curves for TNF- α (2), IL-8 (3), and IL-6 (4), with their respective R^2 values, were used for the calculation of the cytokines TNF- α , IL-8, and IL-6, respectively.