Electronic Supplementary Information (ESI)

Therapeutic hydrophobic deep eutectic solvents of menthol and fatty acid for enhancing anti-inflammation effects of curcuminoids and curcumin on RAW264.7 murine macrophage cells

Kantapich Kongpol[a, b], Preenapan Chaihao [a], Parichat Shuapan [a], Ploypailin Kongduk [a], Warangkana Chunglok [a], and Gorawit Yusakul[c, d] *

[a]School of Allied Health Sciences, Walailak University, Nakhon Si Thammarat, Thailand
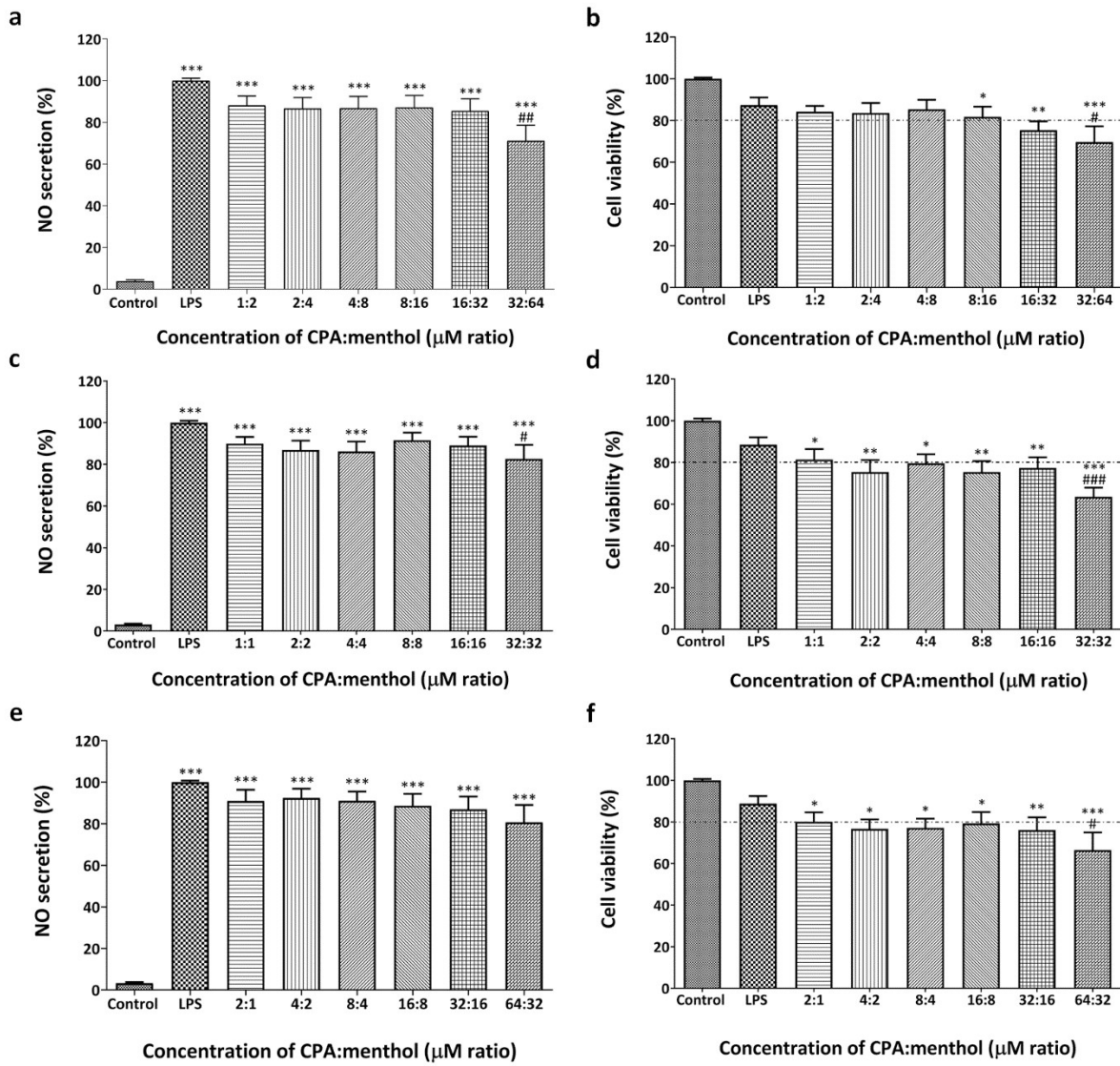[b]Research Excellence Center for Innovation and Health Product, Walailak University, Nakhon Si Thammarat, Thailand
[c]School of Pharmacy, Walailak University, Nakhon Si Thammarat, Thailand
[d]Biomass and Oil Palm Center of Excellence, Walailak University, Nakhon Si Thammarat, Thailand

*Corresponding author
Email address: gorawit.yu@mail.wu.ac.th

Contents   **Page**

Fig. S1 Anti-inflammatory (a, c, and e) and cytotoxicity effect (b, d, and f) of CPA:menthol at 1:2, 1:1, and 2:1 μM ratio, respectively, on RAW264.7 cells. Each bar graph represents the mean ± S.E.M. The *, **, and *** symbols indicate significant differences at $p < 0.05$, 0.01, and 0.001 as compared to the untreated cells (control), whereas #, ##, and ### indicate the significant differences at $p < 0.05$, 0.01, and 0.001 as compared to the LPS-treated cells (LPS). The statistical analyses were conducted using one-way ANOVA with Dunnett's multiple comparison test.
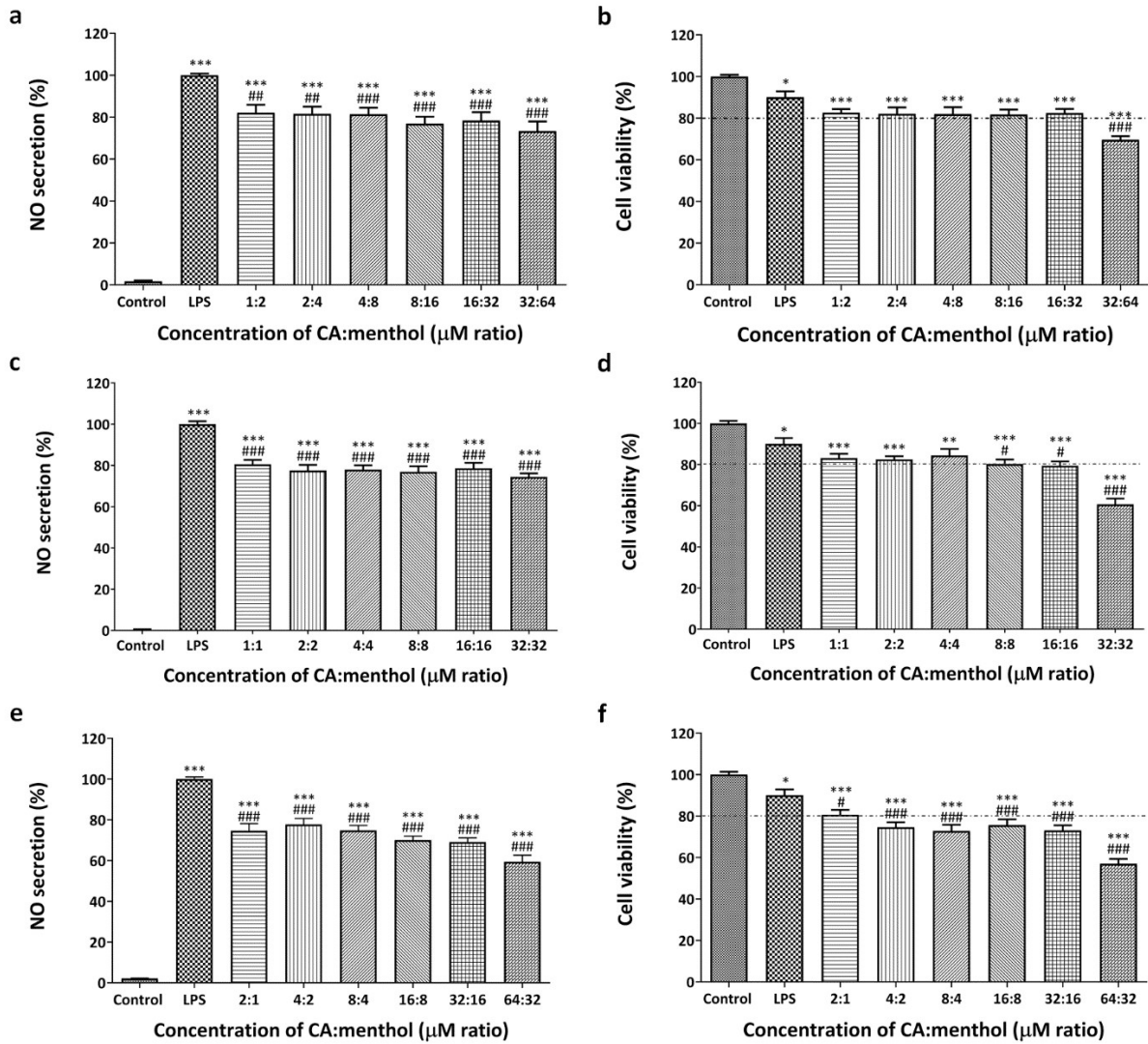
Fig. S2 Anti-inflammatory (a, c, and e) and cytotoxicity effect (b, d, and f) of CA:menthol at 1:2, 1:1, and 2:1 μM ratio, respectively, on RAW264.7 cells. Each bar graph represents the means ± S.E.M. The *, **, and *** symbols indicate significant differences at $p < 0.05$, 0.01, and 0.001 as compared to the untreated cells (control), whereas #, ##, ### indicate the significant differences at $p < 0.05$, 0.01, and 0.001 as compared to the LPS-treated cells (LPS). The statistical analyses were conducted using one-way ANOVA with Dunnett's multiple comparison test.