

Diethyl Blechnic exhibits anti-inflammatory and antioxidative activity *via* the TLR4/MyD88 Signaling Pathway in LPS-stimulated RAW264.7 Cells

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Running Title: Diethyl Blechnic exerts anti-inflammatory and antioxidative effects.

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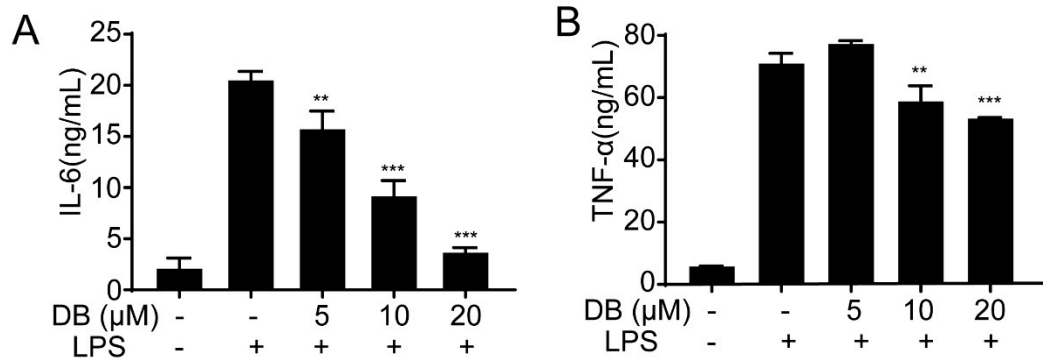


Figure S1. DB suppressed the release of pro-inflammatory cytokines in LPS-induced RAW264.7 cells. RAW 264.7 cells were pretreated with DB for 1 h and then stimulated with LPS (1 μg/mL) for 24 h. The levels of IL-6 (A) and TNF-α (B) in the culture medium were determined by ELISA kits. (n=3). ** $p < 0.01$, and *** $p < 0.001$ vs LPS group.

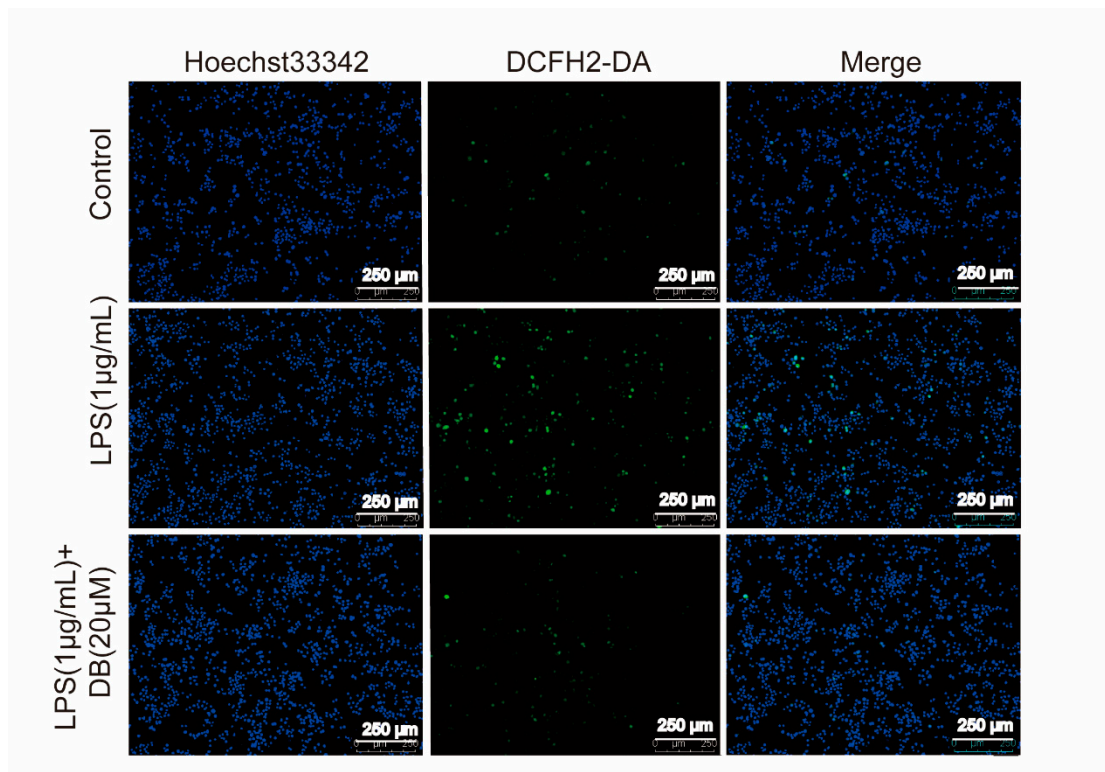


Figure S2. DB suppressed LPS-induced ROS generation in RAW264.7 cells. Cells pretreated with indicated concentrations of DB for 1 h were co-cultured with LPS (1 μg/mL) for another 6 h. Then cells labeled with DCFH₂-DA (10 μM) for 30 min were investigated by a fluorescence microscope, (n=3). The scale bar, 250 μm.

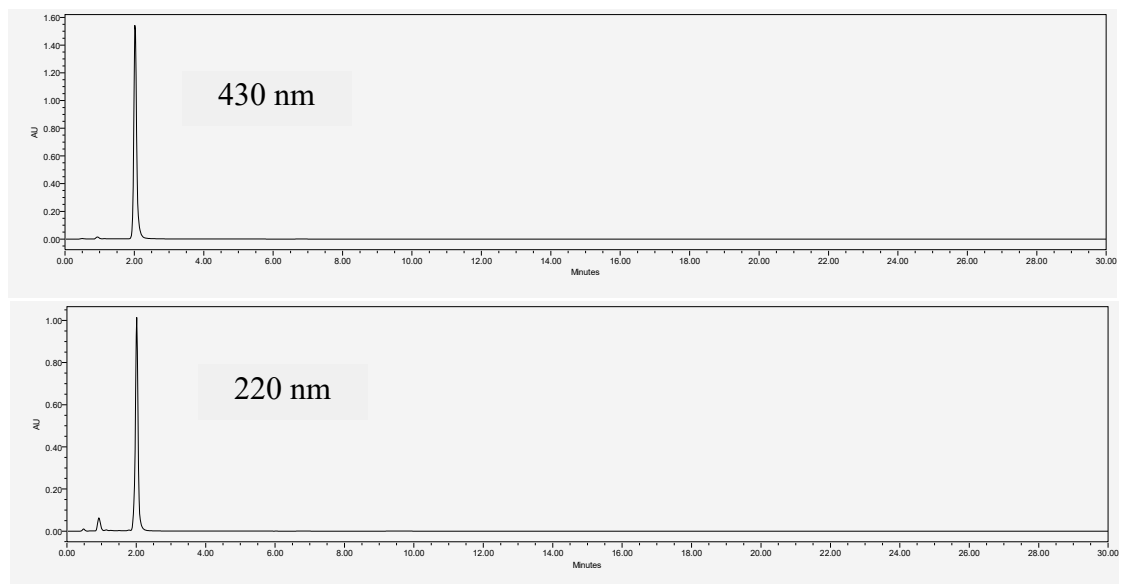


Figure S3. The chromatographic of DB. The HPLC conditions: the mobile flow phase: acetonitrile/water (50/50), the flow rate: 1 mL/min, the wave length: 430 and 220 nm.