

Article

Hemp seed Fermented by *Aspergillus oryzae* Attenuates Lipopolysaccharide-stimulated Inflammatory Responses in N9 Microglial cells

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List of supporting information

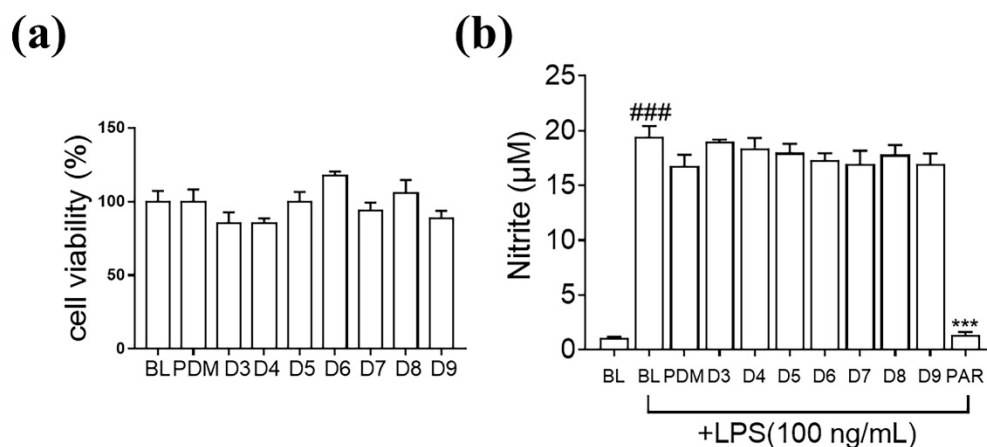


Figure S1. Effects of FP and PDM on cytotoxicity and nitrite production in LPS-stimulated N9 microglia. **(a)** Cell viability was determined by using MTT assay. Cells were incubated with PDM and different days of FP (1:50, v/v) for 24 h. **(b)** Nitrite in the supernatants was detected through Griess assay. Cells were incubated with PDM and different days of FP (1:50, v/v) for 1 h, and then incubated with LPS (100 ng/mL) for another 24 h. PAR (10 μM) was employed as a positive control. BL, medium without the addition of extracts; PDM, unfermented regular PDB medium supernatant; D3-D9, different fermentation day's supernatant of fermented regular PDB medium. The data were counted from three independent experiments and shown as the means ± S.E.M. ^{###} $p < 0.001$ vs the control group; * $p < 0.05$, ^{***} $p < 0.001$ vs the LPS-treated group.

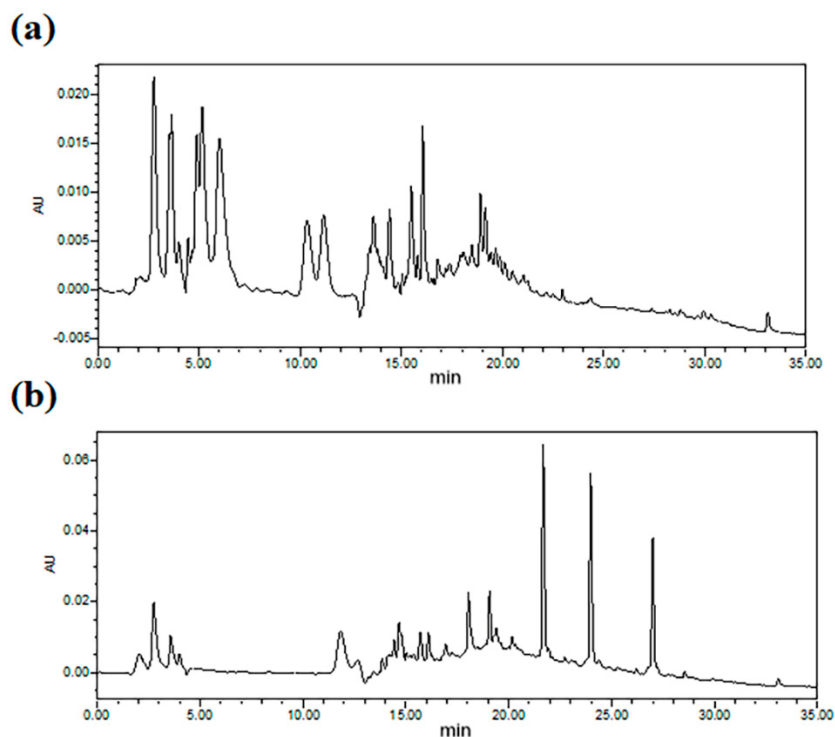


Figure S2. HPLC chromatogram of HS (a) and FHS (b). HS, unfermented hemp seed-containing medium supernatant; FHS, fermented hemp seed-containing medium's supernatant of Day 7. The analytical column was an Alliance2-C₁₈ HC (250 mm × 2.1 mm i.d., 5 µm particle size). The flow rate was 0.2 mL/min, and the injection volume was 8 µL. The mobile phase was a linear gradient prepared from acetonitrile, 0.1% formic acid and ultra-pure water.