

Three chemotypes of thyme (*Thymus vulgaris* L.) essential oil and their main compounds affect differently the IL-6 and TNF α cytokine secretions of BV-2 microglia by modulating the NF- κ B and C/EBP β signalling pathways

Györgyi Horváth¹, Adrienn Horváth¹, Gréta Reichert¹, Andrea Böszörményi², Katalin Sipos³ and Edina Pandur^{3,*}

¹ Department of Pharmacognosy, Faculty of Pharmacy, University of Pécs, H-7624, Rókus u. 2., Pécs, Hungary; horvath.gyorgyi@gytk.pte.hu, horvath.adrienn2@pte.hu, reichertgreta@icloud.com

² Institute of Pharmacognosy, Faculty of Pharmacy, Semmelweis University, H-1085, Üllői út 26. Budapest, Hungary; boszormenyi.andrea@pharma.semmelweis-univ.hu

³ Department of Pharmaceutical Biology, Faculty of Pharmacy, University of Pécs, H-7624, Rókus u.2., Pécs, Hungary; katalin.sipos@aok.pte.hu, edina.pandur@aok.pte.hu

* Correspondence: edina.pandur@aok.pte.hu

Supplementary Figure 1. Original Western blots. (A) WBs showing p50, p65, P-C/EBP β and β -actin protein levels after LPS pretreatment of BV-2 cells. (B) WBs showing protein levels of p50, p65 and P-C/EBP β after essential oil pretreatment. (C) WBs showing protein levels of p50, p65 and P-C/EBP β after LPS and essential oil co-treatment. The Western blots were performed using manual developing method. The development was made on X-Ray films, then the films were scanned using automatic grey scale mode and 600 dpi.

