

Supplementary Material

Inhibitory activity of natural *cis*-khellactone on soluble epoxide hydrolase and proinflammatory cytokine production in LPS-stimulated RAW264.7 cells

Jang Hoon Kim¹, Ji Hyeon Park², Sung Cheol Koo¹, Yun-Chan Hur¹, Mok Hur¹, Woo Tae Park¹, Youn-Ho Moon¹, Tae Il Kim¹, Byoung Ok Cho^{2,*}

¹Department of Herbal Crop Research, National Institute of Horticultural and Herbal Science, RDA, Eumseong, Chungcheongbuk-do, 27709, Republic Korea

²Institute of Health Science, Jeonju University, Jeonju-si, Jeollabuk-do, 55069, Republic of Korea

* Correspondence:

Corresponding Author : Byoung Ok Cho, Institute of Health Science, Jeonju University, 303 Cheonjam-ro, Wansan-gu, Jeonju-si, Jeollabuk-do, 55069, Republic of Korea

Tel: +82-63-220-2793, Fax: +82-63-220-2789, E-mail: enzyme21@jj.ac.kr

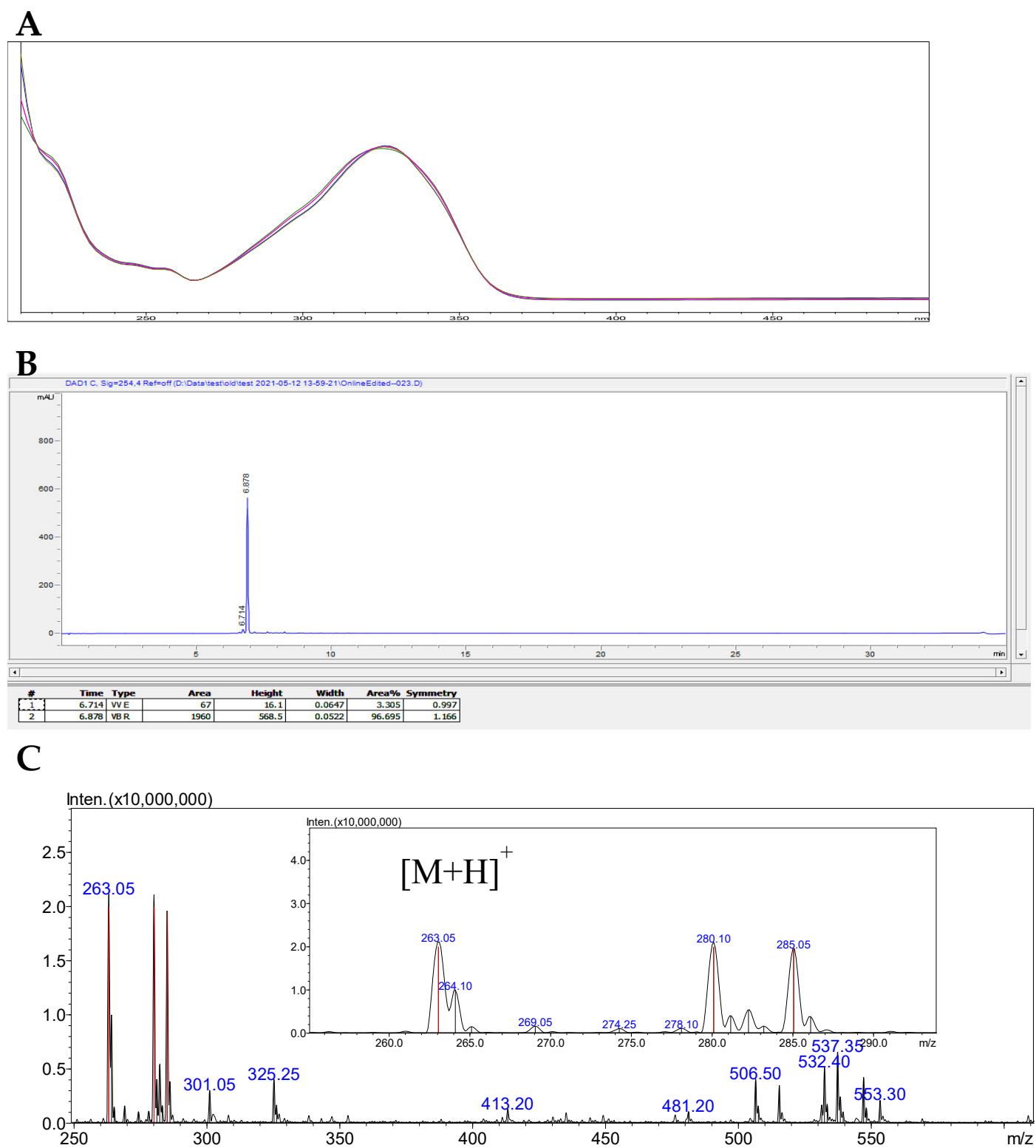


Figure S1. UV-Vis (A), HPLC (B) and Mass (C) spectra of *cis*-khellactone.

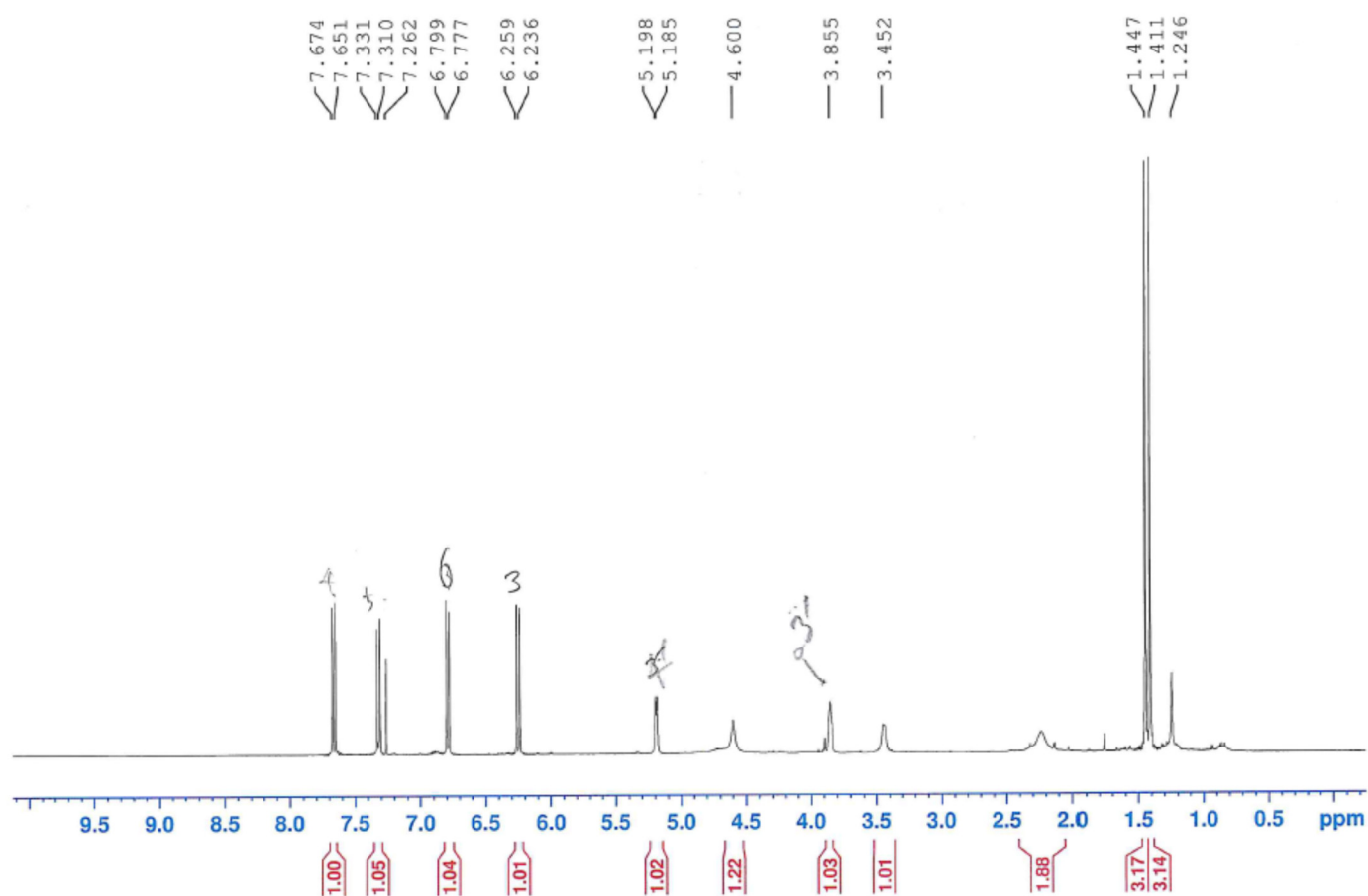


Figure S2. ¹H NMR spectrum of *cis*-khellactone (400 MHz, CDCl₃-d).

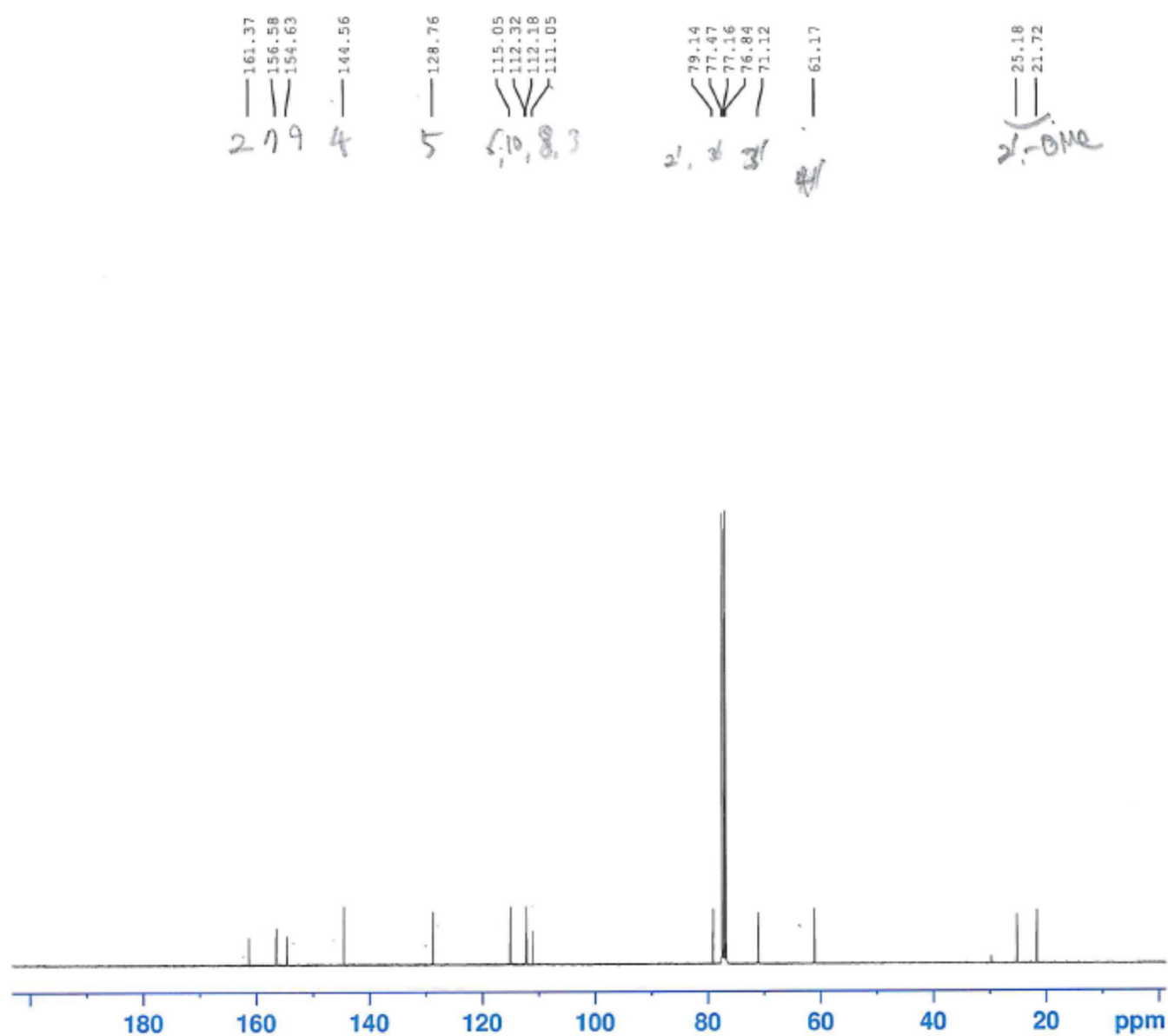


Figure S3. ¹³C NMR spectrum of *cis*-khellactone (100 MHz, CDCl₃-d).

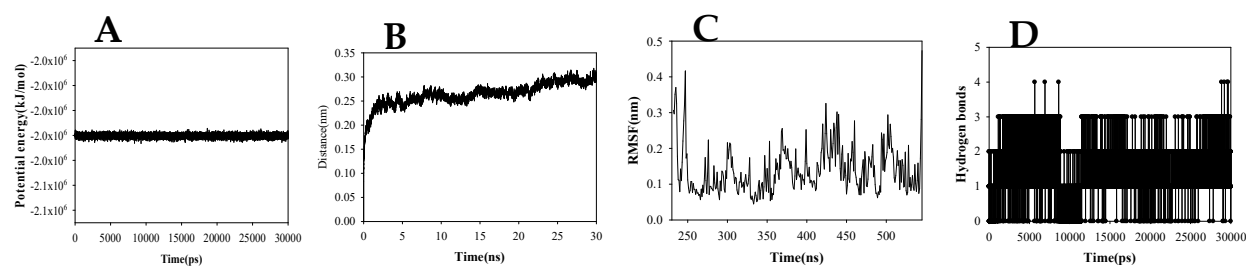


Figure S4. The potential energy (A) RMSD (B), RMSF (C), and hydrogen bond numbers (D) of the simulation calculated during 30 ns.