

Supplementary data

Deacylated Derivative of Hericenone C Treated by Lipase Shows Enhanced Neuroprotective Properties Compared to Its Parent Compound

Sonam Tamrakar^{1,2,†}, Dongmei Wang^{1,†}, Eri Hiraki^{1,†}, Chunguang Han¹, Yang Ruan¹, Ahmed E. Allam^{1,3}, Yhiya Amen⁴, Yoshinori Katakura⁵ and Kuniyoshi Shimizu^{1,*}

¹ Department of Agro-Environmental Sciences, Faculty of Agriculture, Kyushu University, Fukuoka 819-0395, Japan; tamraka3@msu.edu (S.T.); spswdm@hotmail.com (D.W.); e.hiraki.835@gmail.com (E.H.); syunkouk@gmail.com (C.H.); ahxcry9619@hotmail.com (Y.R.); ahmedezzaldeanallam@gmail.com (A.E.A.)

² Department of Fisheries and Wildlife, College of Agriculture and Natural Resources, Michigan State University, East Lansing, MI 48824, USA

³ Department of Pharmacognosy, Faculty of Pharmacy, Al-Azhar University, Assiut 71524, Egypt

⁴ Department of Pharmacognosy, Faculty of Pharmacy, Mansoura University, Mansoura 35516, Egypt; yhiyaamen@gmail.com

⁵ Department of Genetic Resources Technology, Faculty of Agriculture, Kyushu University, Fukuoka 819-0395, Japan; katakura@grt.kyushu-u.ac.jp

* Correspondence: shimizu@agr.kyushu-u.ac.jp

† These authors contributed equally to this work.

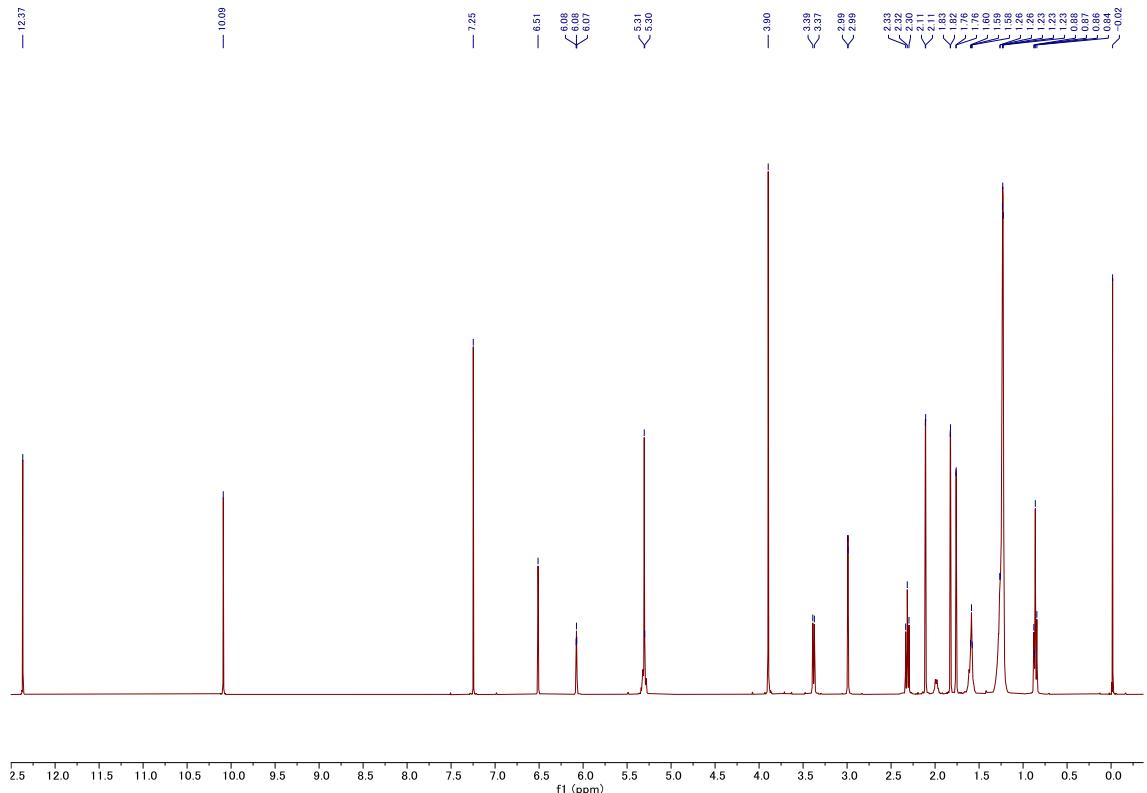


Figure S1. ¹H-NMR spectrum of compound 1 (CDCl₃, 400 MHz)

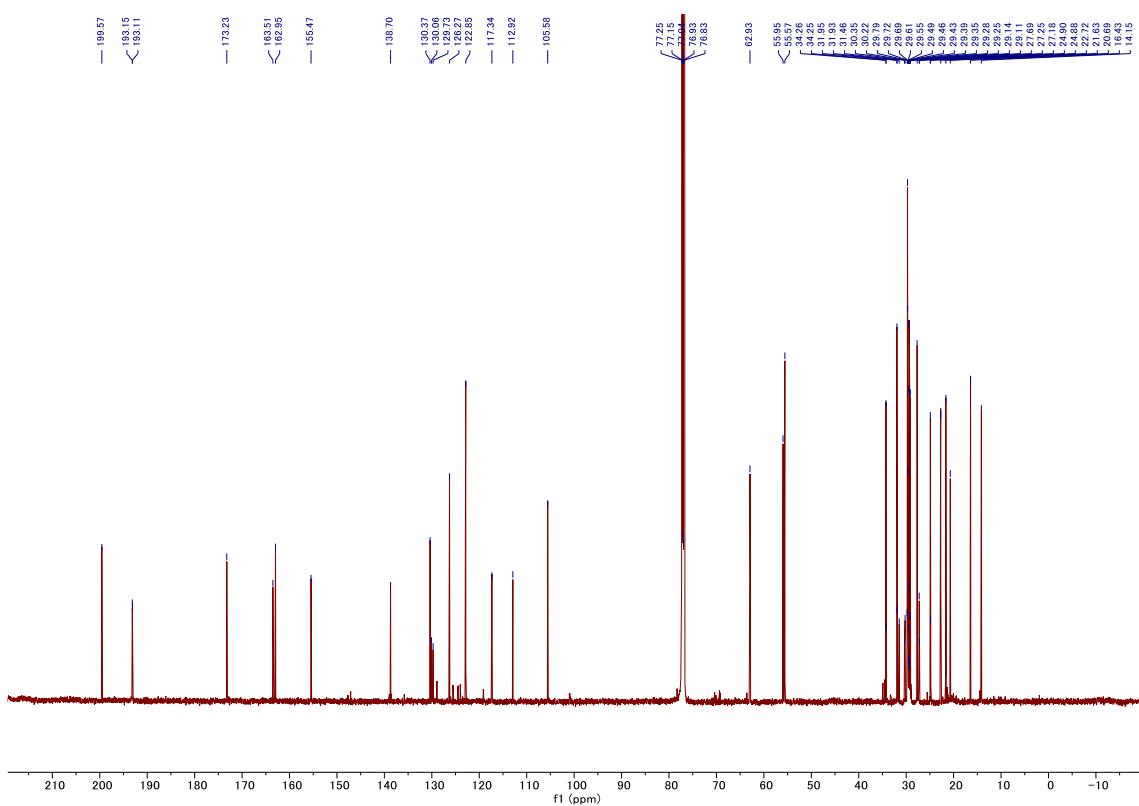


Figure S2. ^{13}C -NMR spectrum of compound 1 (CDCl_3 , 150 MHz)

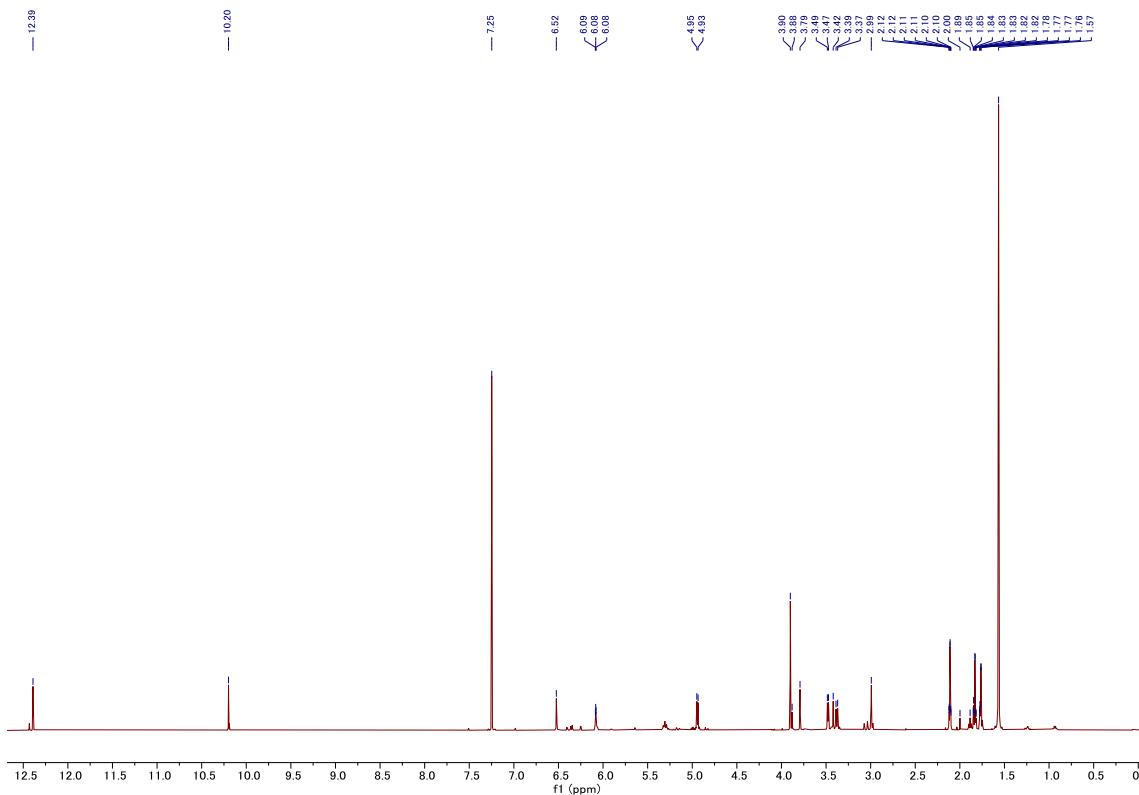


Figure S3. ^1H -NMR spectrum of compound 2 (CDCl_3 , 400 MHz)

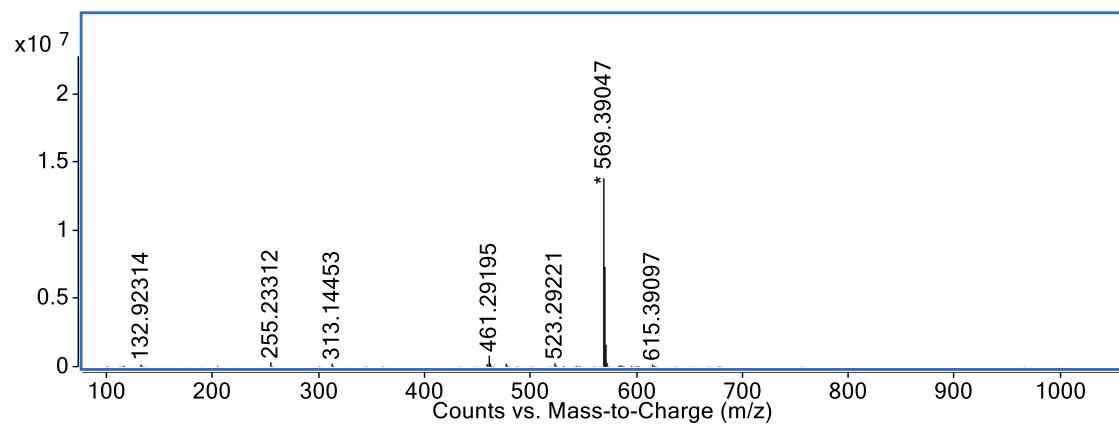


Figure S4. HR-ESI-MS Analysis of compound 1

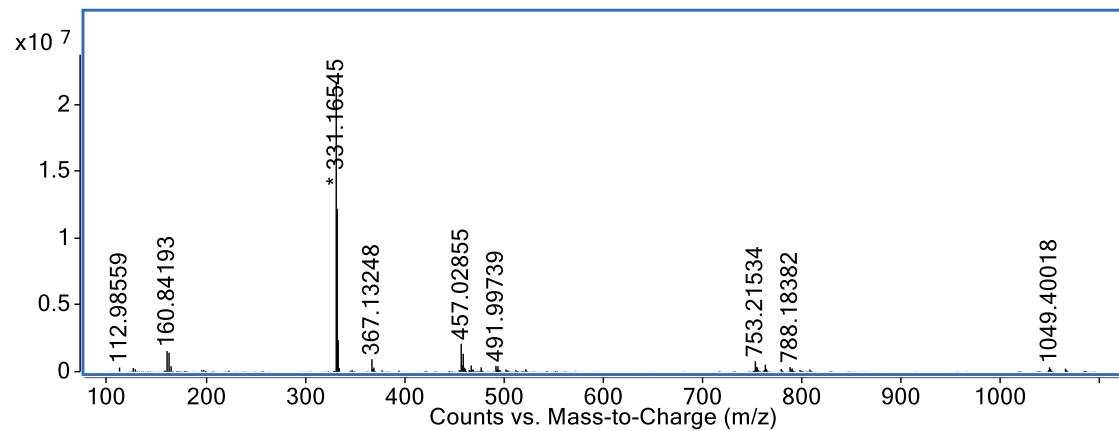


Figure S5. HR-ESI-MS Analysis of compound 2