Supplementary file

Protection against myocardial ischemia/reperfusion injury in mice using antioxidative 3-caffeoylquinic acid isomers prepared and isolated from *Saxifraga tangutica*: DPPH assay, Langendorff's *in vitro* model and mitochondrial biogenesis

Yingying Tong[ab], Gang Li[*b], Xiaobing Shi[b], Lin Wang[b], Jia Zhou[ab], Ming Chu[b], Zhenhua Wang[b], A. M. Abd. El-Aty[cd] and Jun Dang[*a]

[a] Qinghai Provincial Key Laboratory of Tibetan Medicine Research, Key Laboratory of Tibetan Medicine Research, Northwest Institute of Plateau Biology, Chinese Academy of Sciences, Xining 810001, Qinghai, China

[b] Center for Mitochondria and Healthy Aging, College of Life Sciences, Yantai University, Yantai 264005, China

[c] Department of Pharmacology, Faculty of Veterinary Medicine, Cairo University, Giza 12211, Egypt

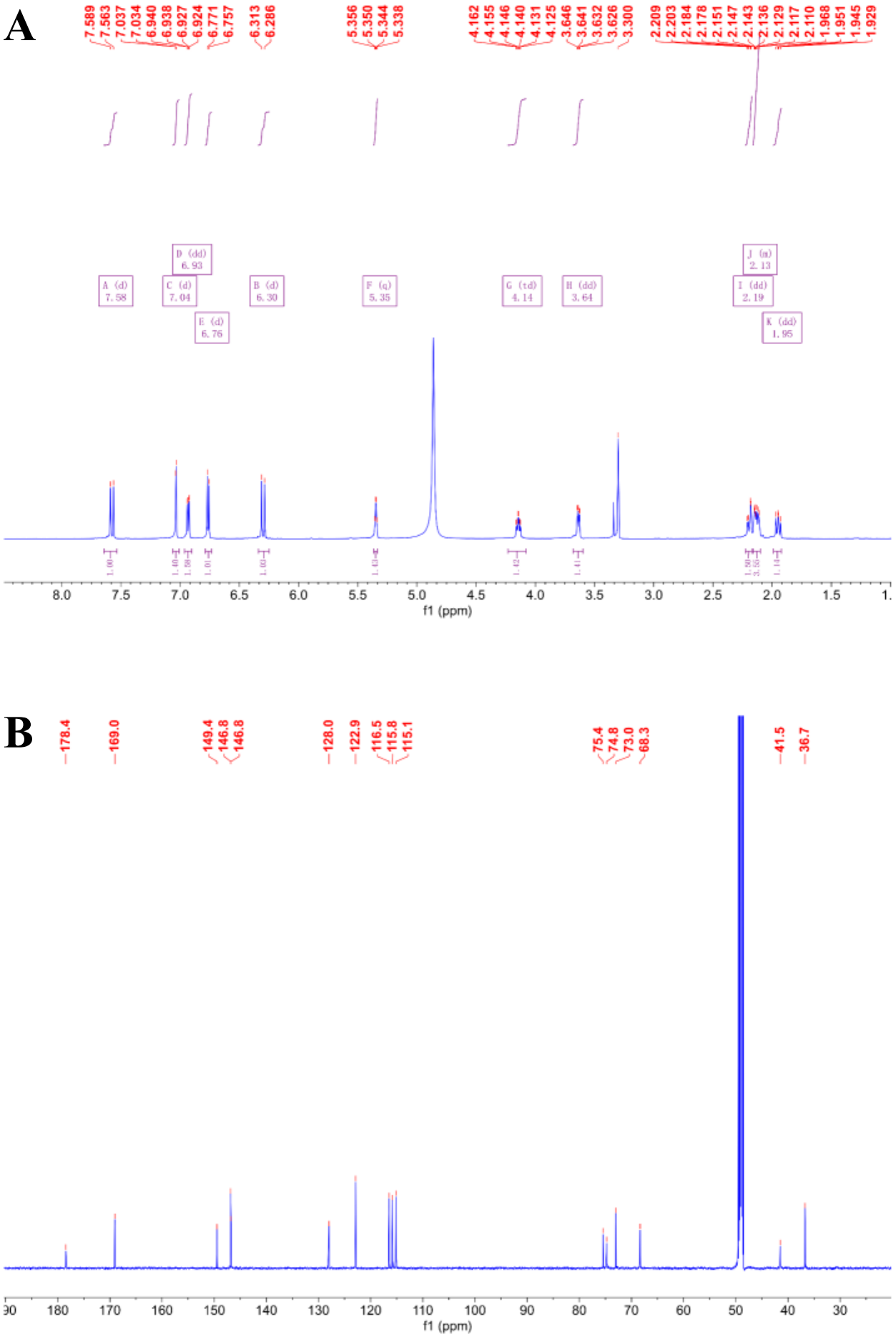
[d] Department of Medical Pharmacology, Faculty of Medicine, Atatürk University, Erzurum 25240, Turkey

*** Correspondence: Jun Dang**, Qinghai Provincial Key Laboratory of Tibetan Medicine Research, Key Laboratory of Tibetan Medicine Research, Northwest Institute of Plateau Biology, Chinese Academy of Sciences, Xining 810001, P. R. China.

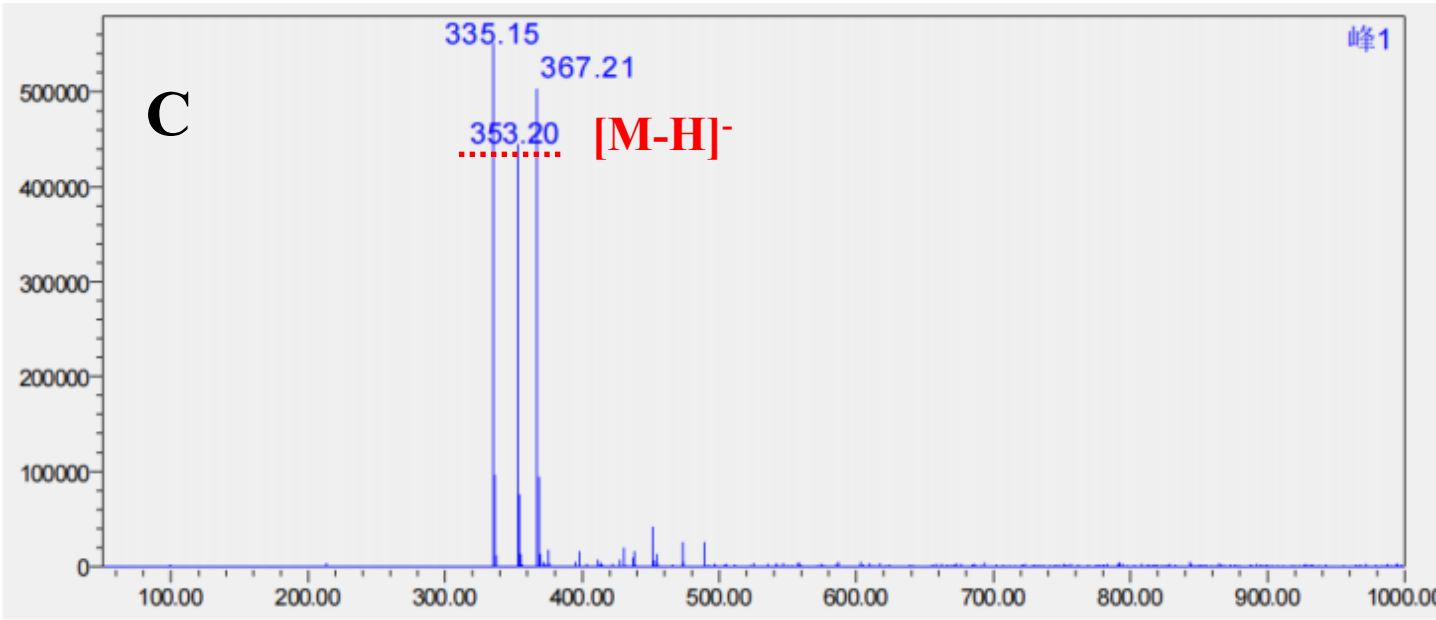
E-mail: dangjun@nwipb.cas.cn (**Jun Dang**).

Fax/Phone number: +86-971-6143282

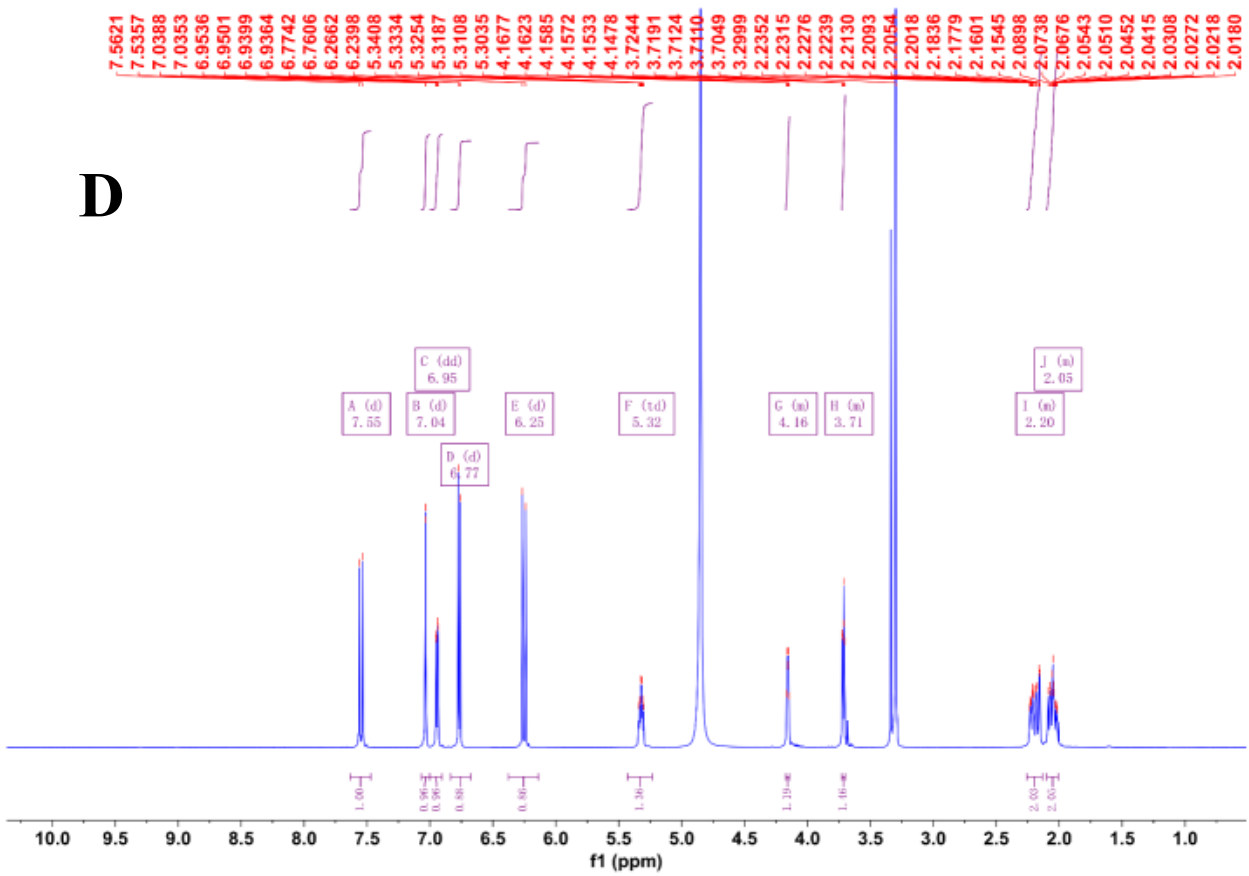
Table of Contents



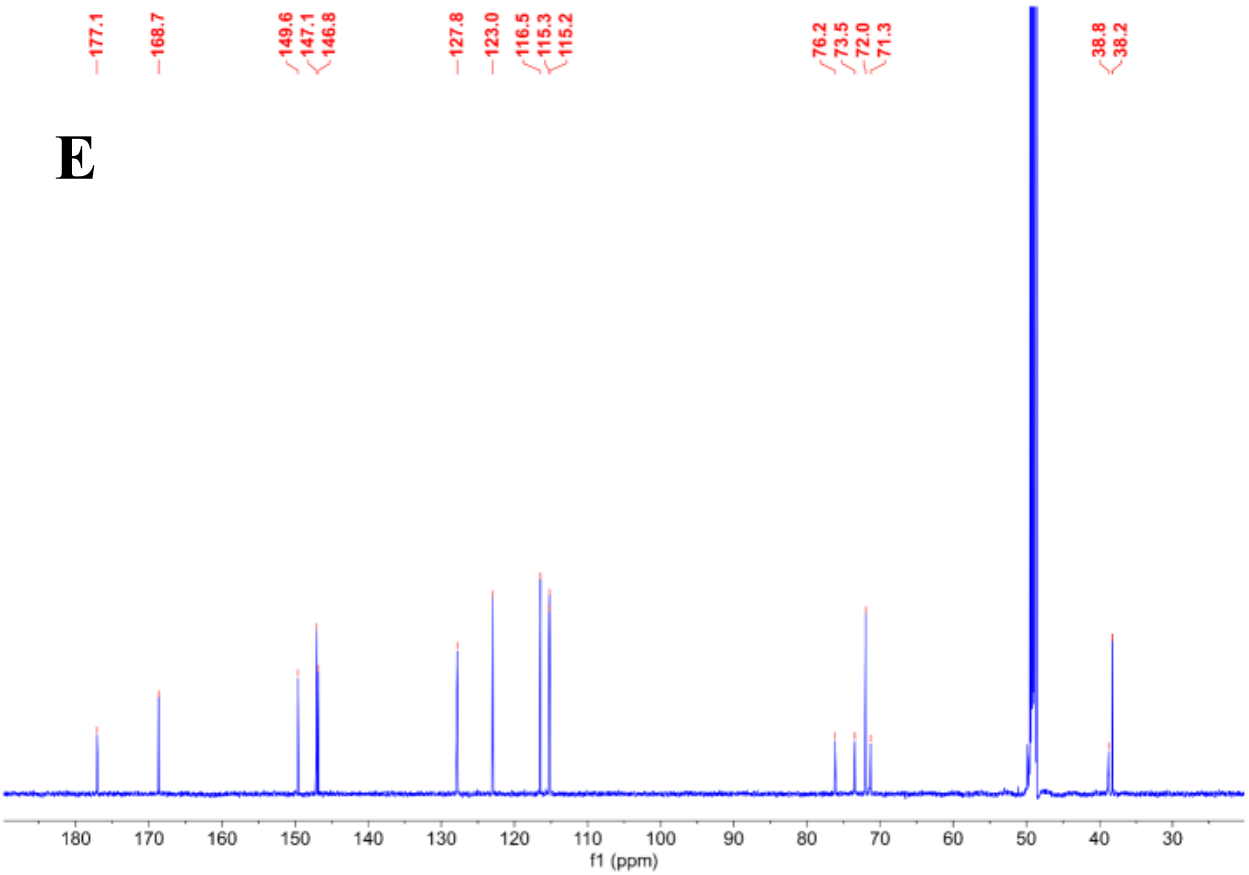
Supplementary Fig. S1. ^{1}H NMR (600 MHz) (A), ^{13}C NMR (151 MHz) (B), and HR-ESI-MS (C) spectra of compound Fr2-4-1-1 (neochlorogenic acid) in MeOH-d_4.

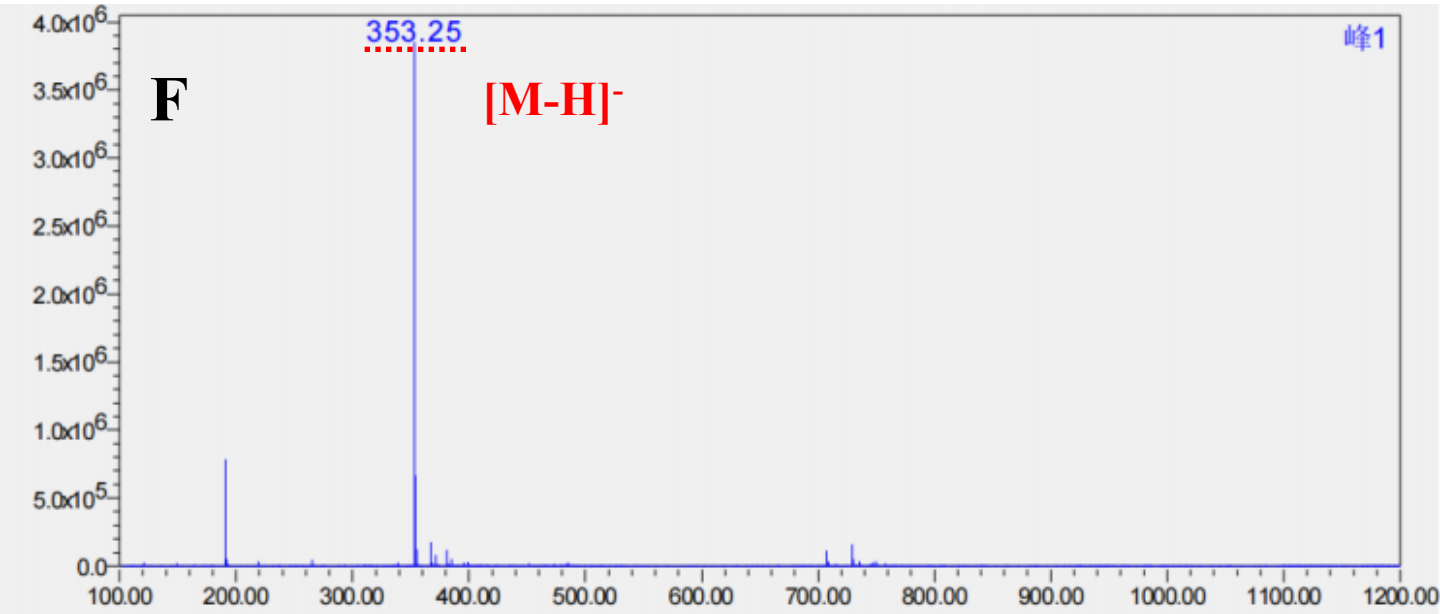


Supplementary Fig. S1. (continued)

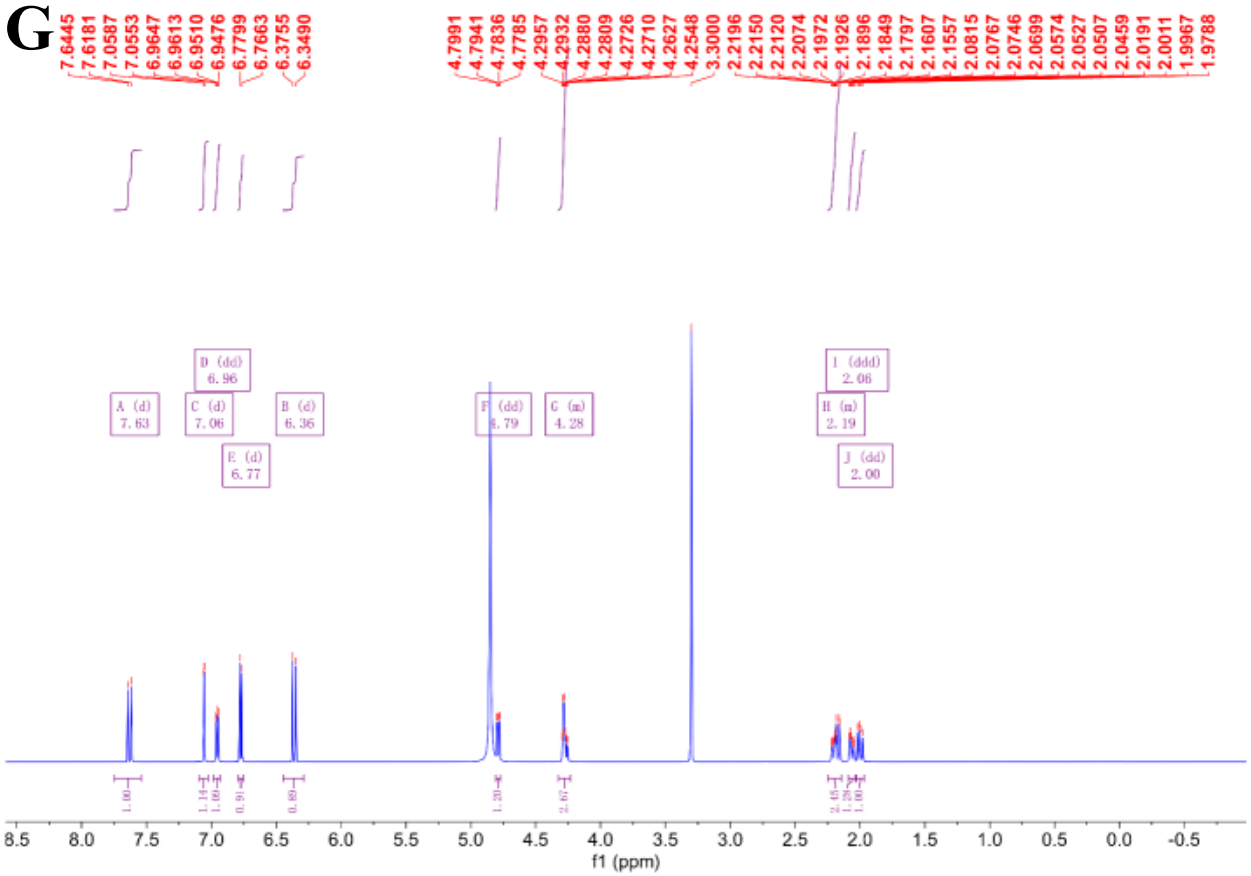


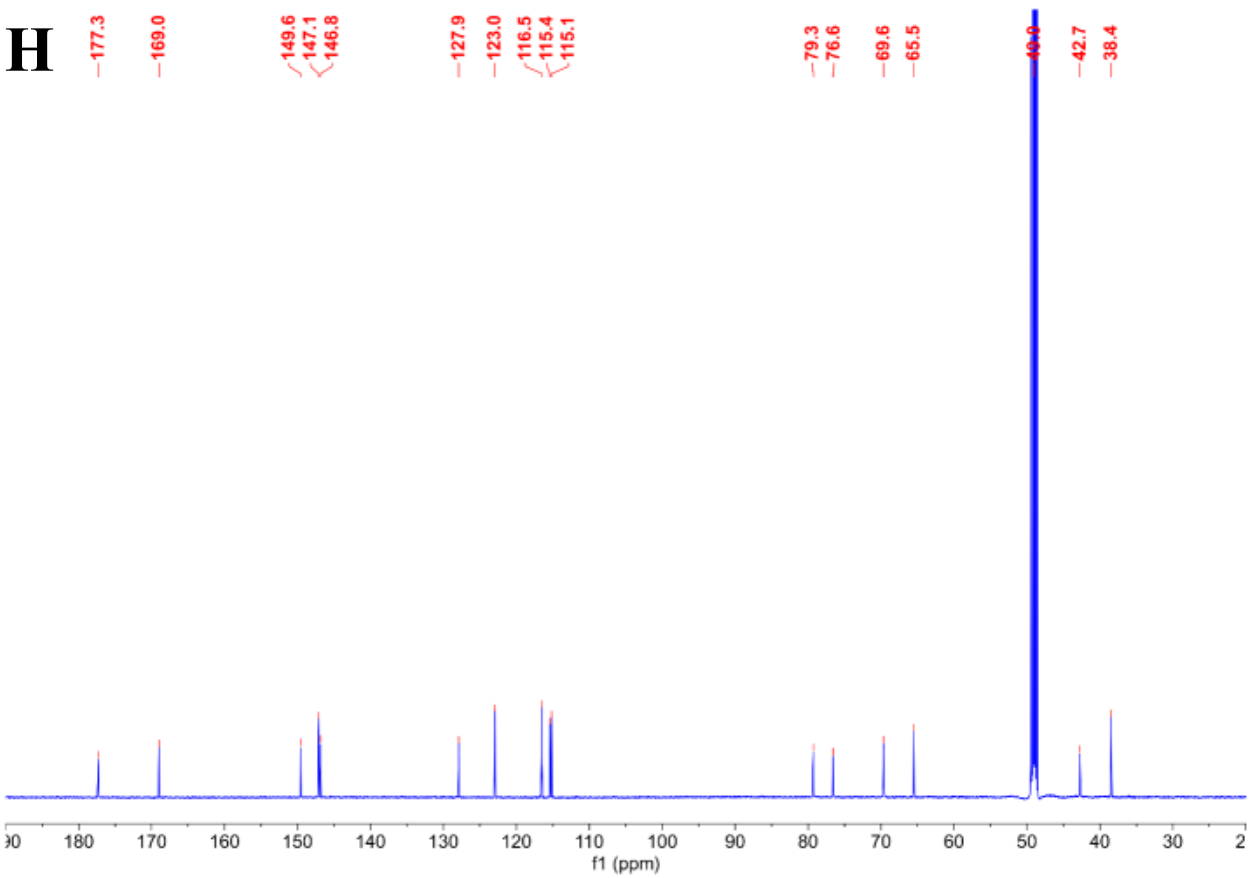
Supplementary Fig. S2. ^{1}H NMR (600 MHz) (D), ^{13}C NMR (151 MHz) (E), and HR-ESI-MS (F) spectra of compound Fr2-5-1-1 (chlorogenic acid) in MeOH-d_4.



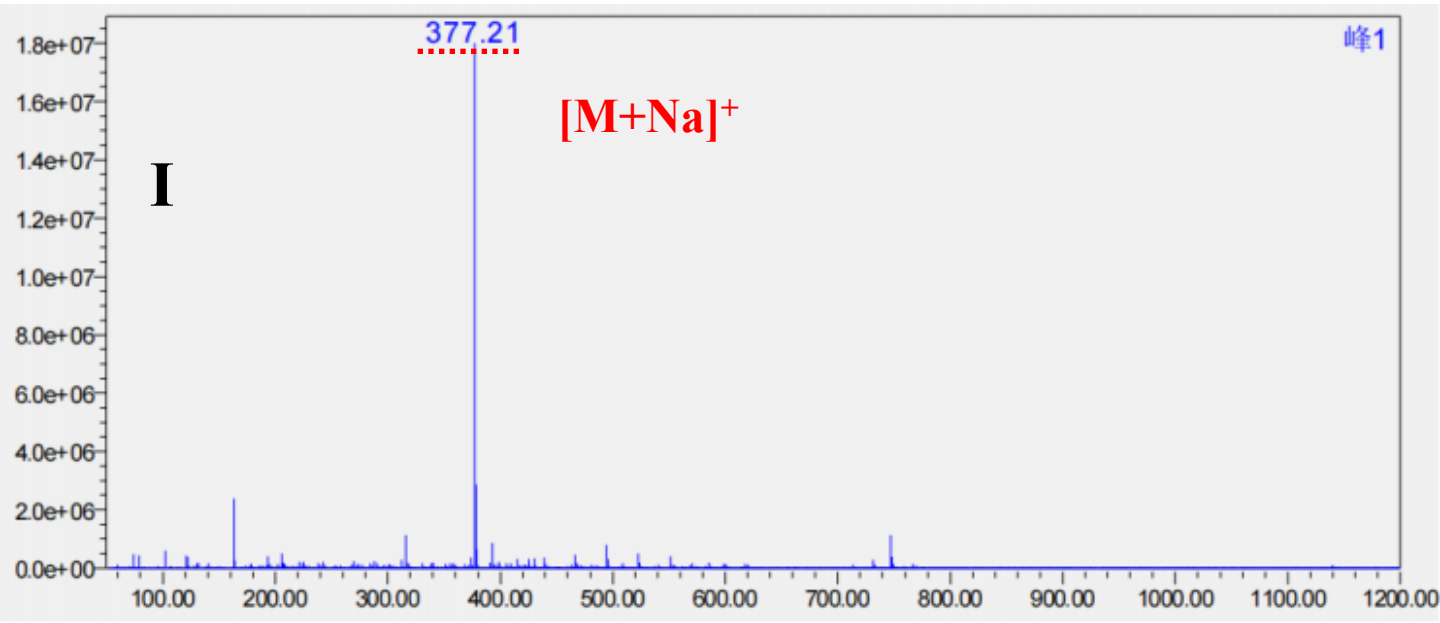


Supplementary Fig. S2. (continued)





Supplementary Fig. S3. ^{1}H NMR (600 MHz) (G), ^{13}C NMR (151 MHz) (H), and HR-ESI-MS (I) spectra of compound Fr2-5-2-1 (cryptochlorogenic acid) in MeOH-d_4.



Supplementary Fig. S3. (continued)