

Chemical Characterization, Antilipidemic Effect and Antiobesity Activity of *Ludwigia octovalvis* in a Murine Model of Metabolic Syndrome

Supplementary material

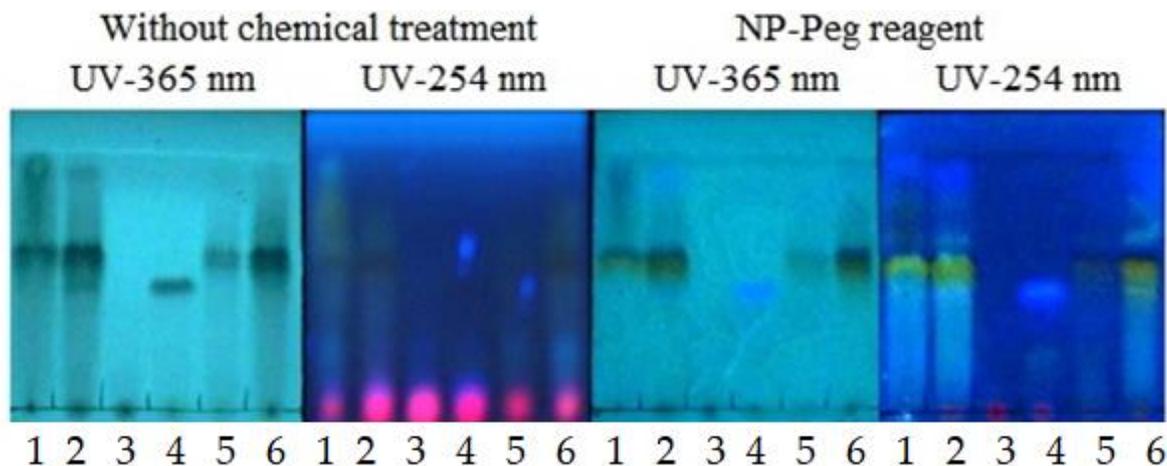


Figure S1. Thin-layer chromatography, without chemical treatment and with Natural Products-Polyethylene Glycol (NP-Peg) reagent, of the hydroalcoholic extract of *Ludwigia octovalvis* LHAE (1), its organic fraction LOF (2) and the most representative subfractions of its chemical content: LSF2 (3), LSF3 (4), LSF8 (5) and LSF9 (6). Mobile phase: water/acetonitrile 70/30.

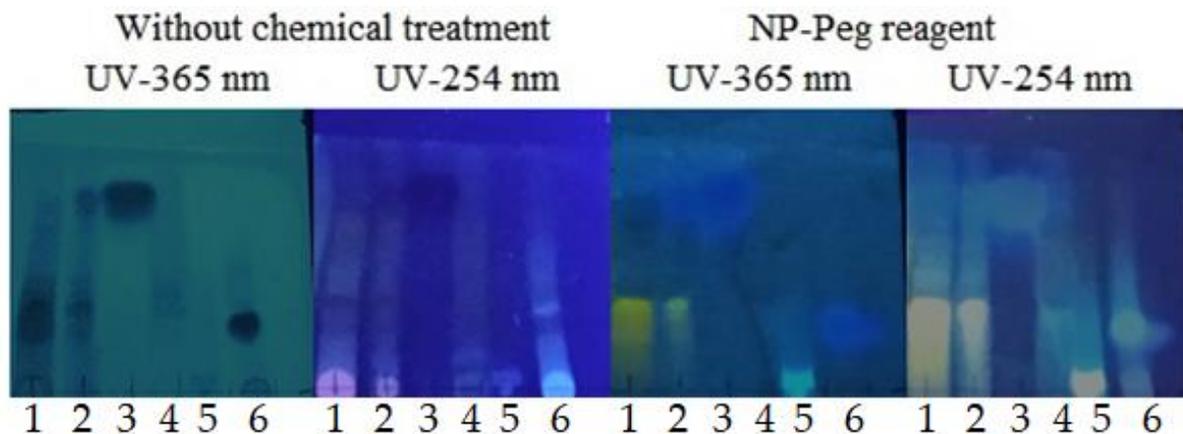


Figure S2. Thin-layer chromatography, without chemical treatment and with Natural Products-Polyethylene Glycol (NP-Peg) reagent, of the hydroalcoholic extract of *Ludwigia octovalvis* LHAE (1), its organic fraction LOF (2) and the subfractions LSF8A (3), LSF8B (4), LSF8C (5) and LSF8D (6), obtained from *Ludwigia octovalvis* organic fraction. Mobile phase: water/acetonitrile 60/40.

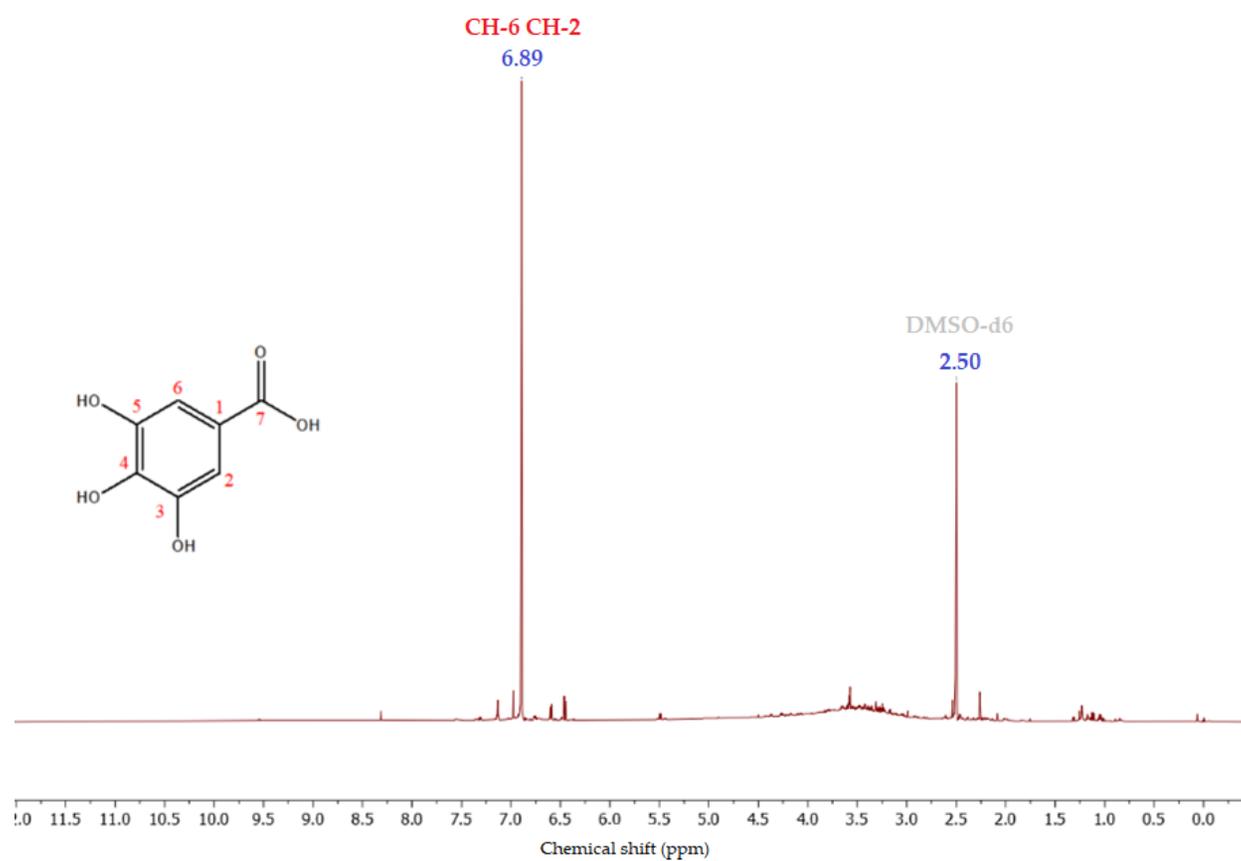


Figure S3. ^1H NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8A and structure of the compound elucidated therein, gallic acid.

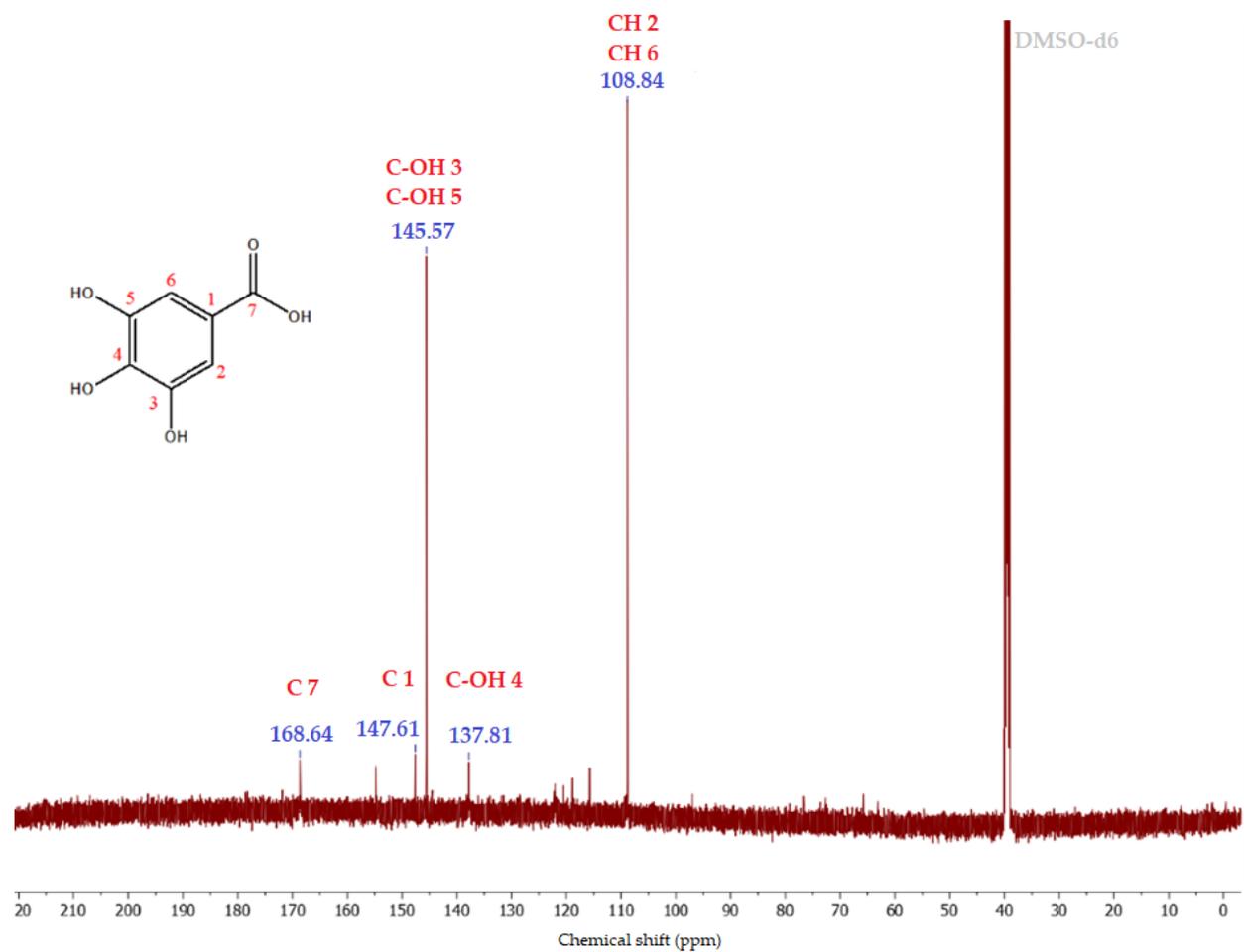


Figure S4. ¹³C NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8A and structure of the compound elucidated therein, gallic acid.

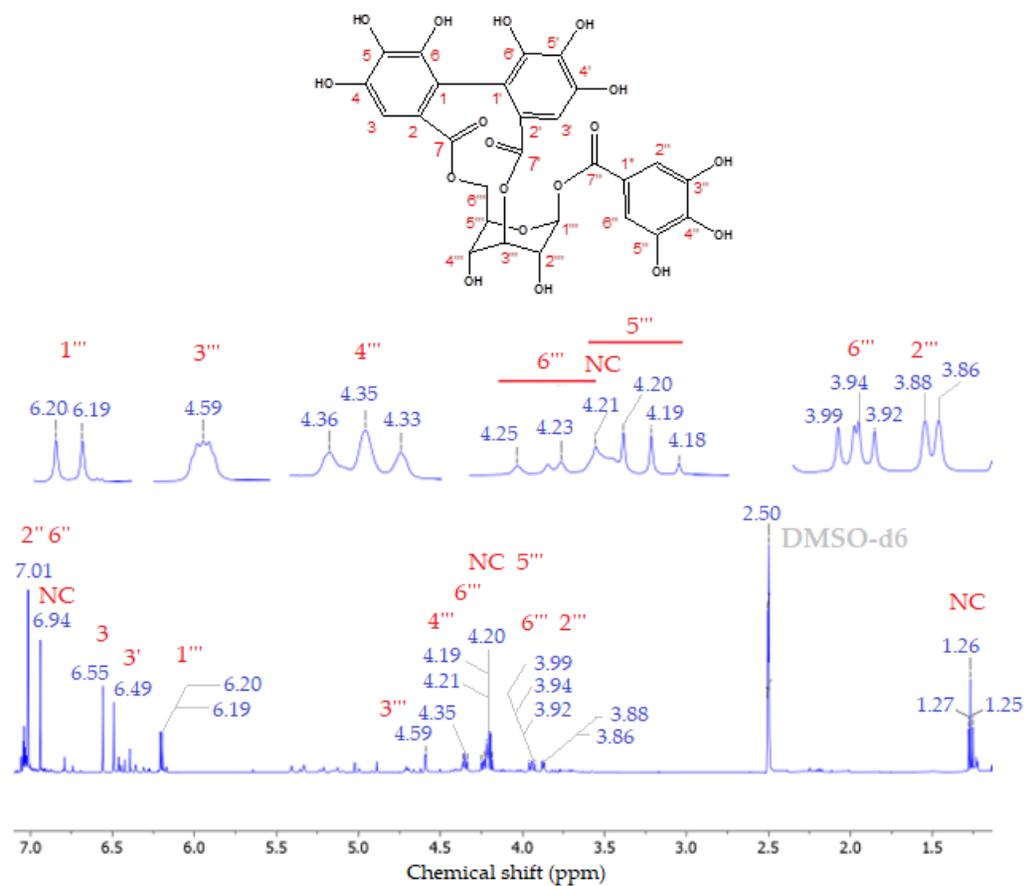


Figure S5. ¹H NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8B and structure of the compound elucidated therein, corilagin.

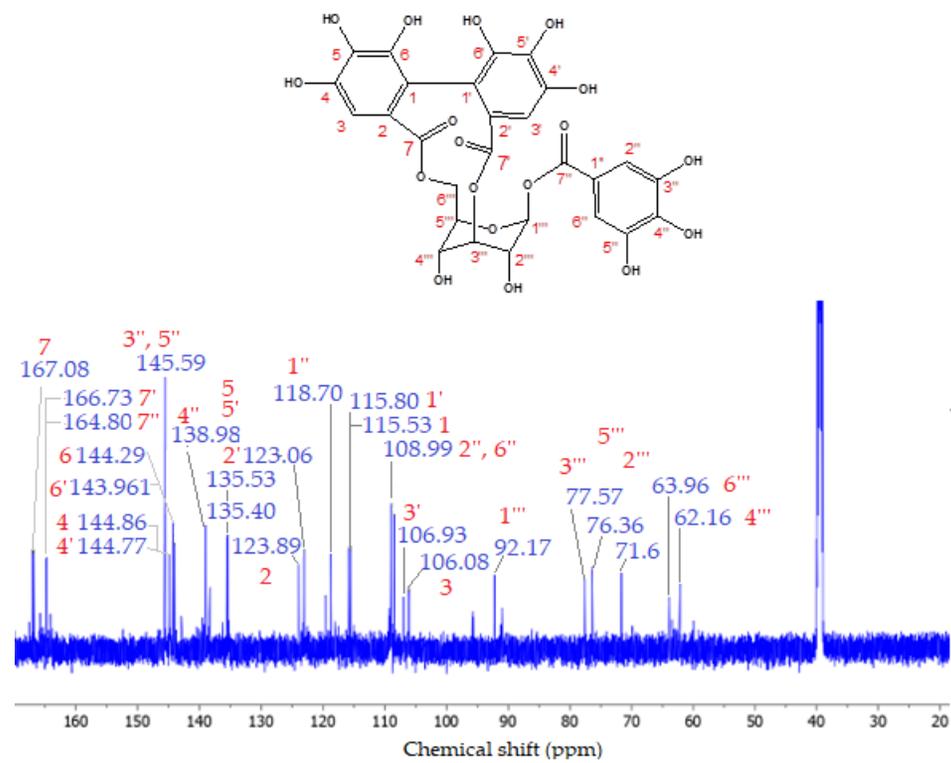


Figure S6. ¹³C NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8B and structure of the compound elucidated therein, corilagin.

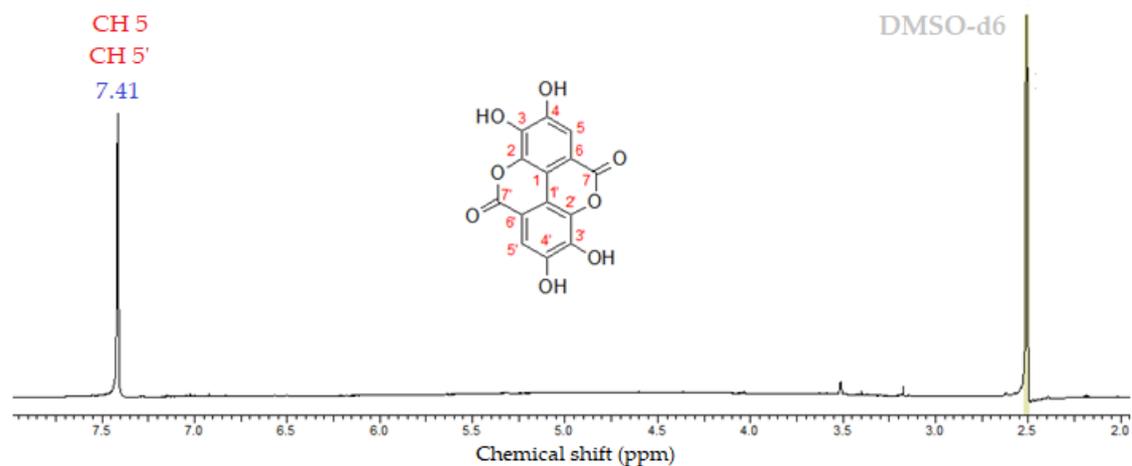


Figure S7. ¹H NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8C and structure of the compound elucidated therein, ellagic acid.

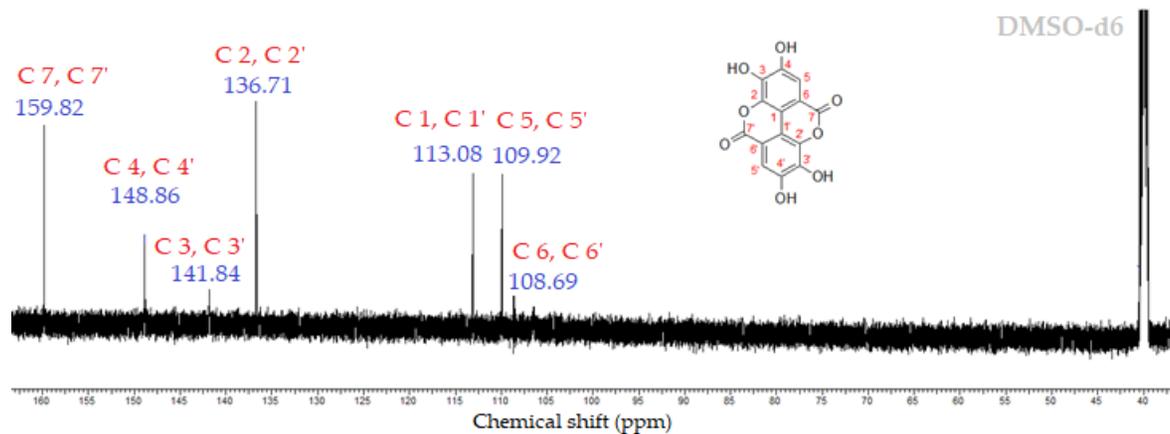


Figure S8. ¹³C NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8C and structure of the compound elucidated therein, ellagic acid.

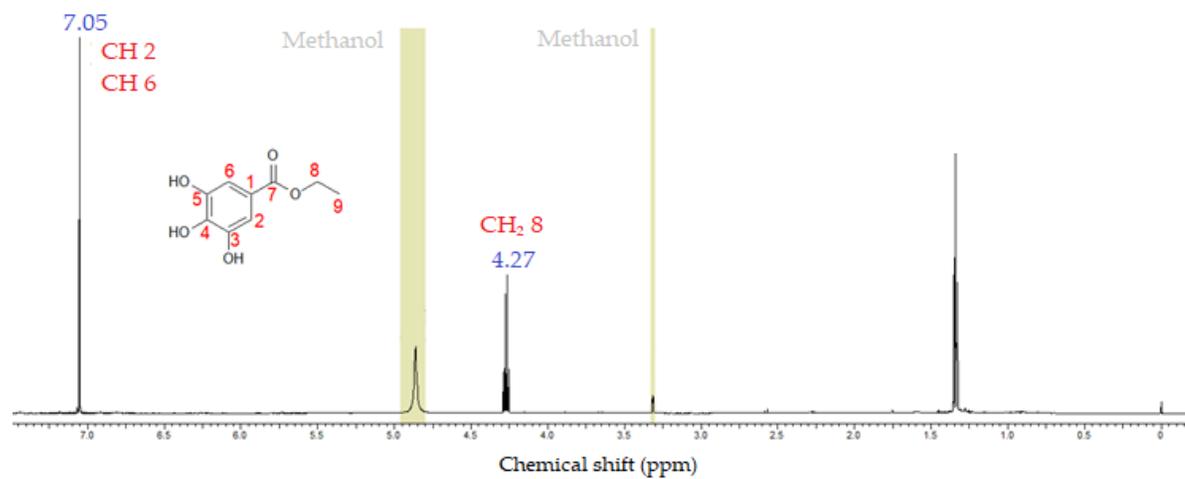


Figure S9. ^1H NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8D and structure of the compound elucidated therein, ethyl gallate.

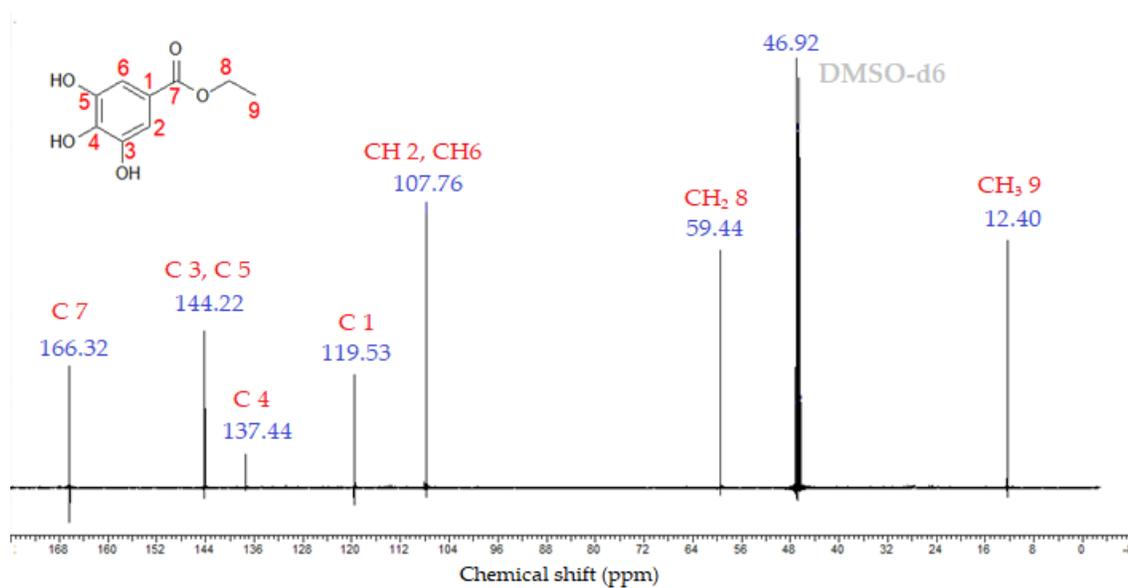


Figure S10. ^{13}C NMR spectra of the subfraction obtained from *Ludwigia octovalvis* LSF8D and structure of the compound elucidated therein, ethyl gallate.