Proposed Mechanism for the Antitrypanosomal Activity of Quercetin and Myricetin isolated from *Hypericum afrum* Lam.: Phytochemistry, in Vitro Testing and Modeling Studies

Farida Larit [1,2,*], Khaled M. Elokely [3,4], Manal A. Nael [3,4], Samira Benyahia [5], Francisco León [2,6], Stephen J. Cutler [2,6] and Mohammed M. Ghoneim [7,8,*]

[1] Département de Chimie, Faculté des Sciences Exactes, Université des Frères Mentouri Constantine 1, Constantine 25000, Algeria
[2] Department of BioMolecular Sciences, Division of Medicinal Chemistry, University of Mississippi, University, MS 38677, USA
[3] Department of Pharmaceutical Chemistry, Faculty of Pharmacy, Tanta University, Tanta 31527, Egypt
[4] Institute for Computational Molecular Science, Department of Chemistry, Temple University, Philadelphia, PA 19122, USA; kelokely@temple.edu (K.M.E.); mnael@pharm.tanta.edu.eg (M.A.N.);
[5] Laboratoire de Synthèse Organique, Modélisation et Optimisation des Procèdes (LOMOP), Université Badji Mokhtar, 23000 Annaba, Algeria; samira.benyahia13@gmail.com
[6] Department of Drug Discovery and Biomedical Sciences, College of Pharmacy, University of South Carolina, Columbia, SC 29208, USA; jleon@mailbox.sc.edu (F.L.); sjcutler@cop.sc.edu (S.J.C.)
[7] Department of Pharmacy Practice, College of Pharmacy, AlMaarefa University, Ad Diriyah, Riyadh 13713, Saudi Arabia
[8] Department of Pharmacognosy, Faculty of Pharmacy, Al-Azhar University, Cairo, 11371, Egypt
* Correspondence: laridafarida@umc.edu.dz (F.L.); mghoneim@mcst.edu.sa (M.M.G.), Tel.: +966-537415011 (F.L. & M.M.G.).

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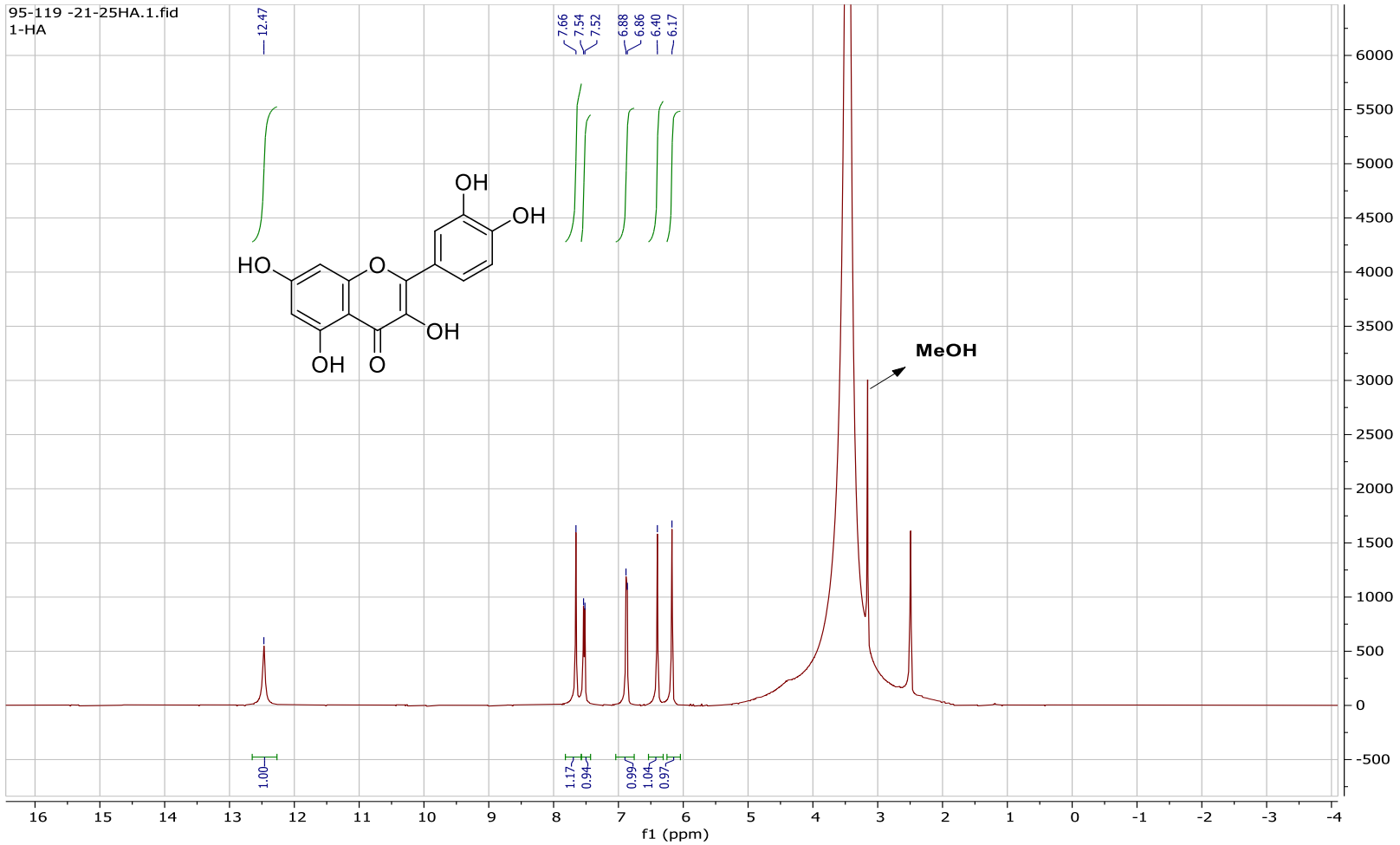

Figure S1. ^{1}H NMR spectrum of compound 1 (DMSO-d_6, 400 MHz)

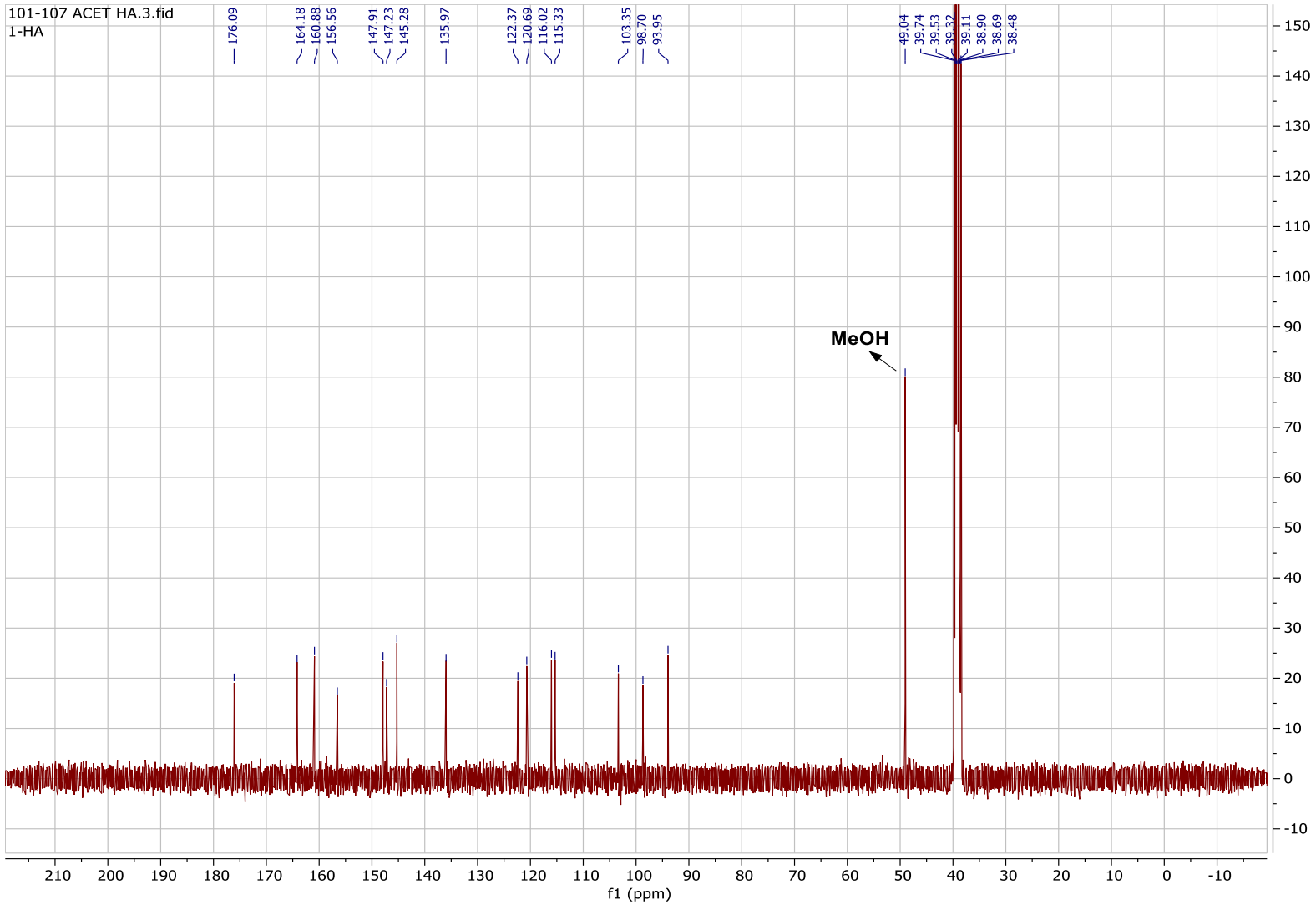

Figure S2. ^{13}C NMR spectrum of compound 1 (DMSO-d$_6$, 100 MHz)

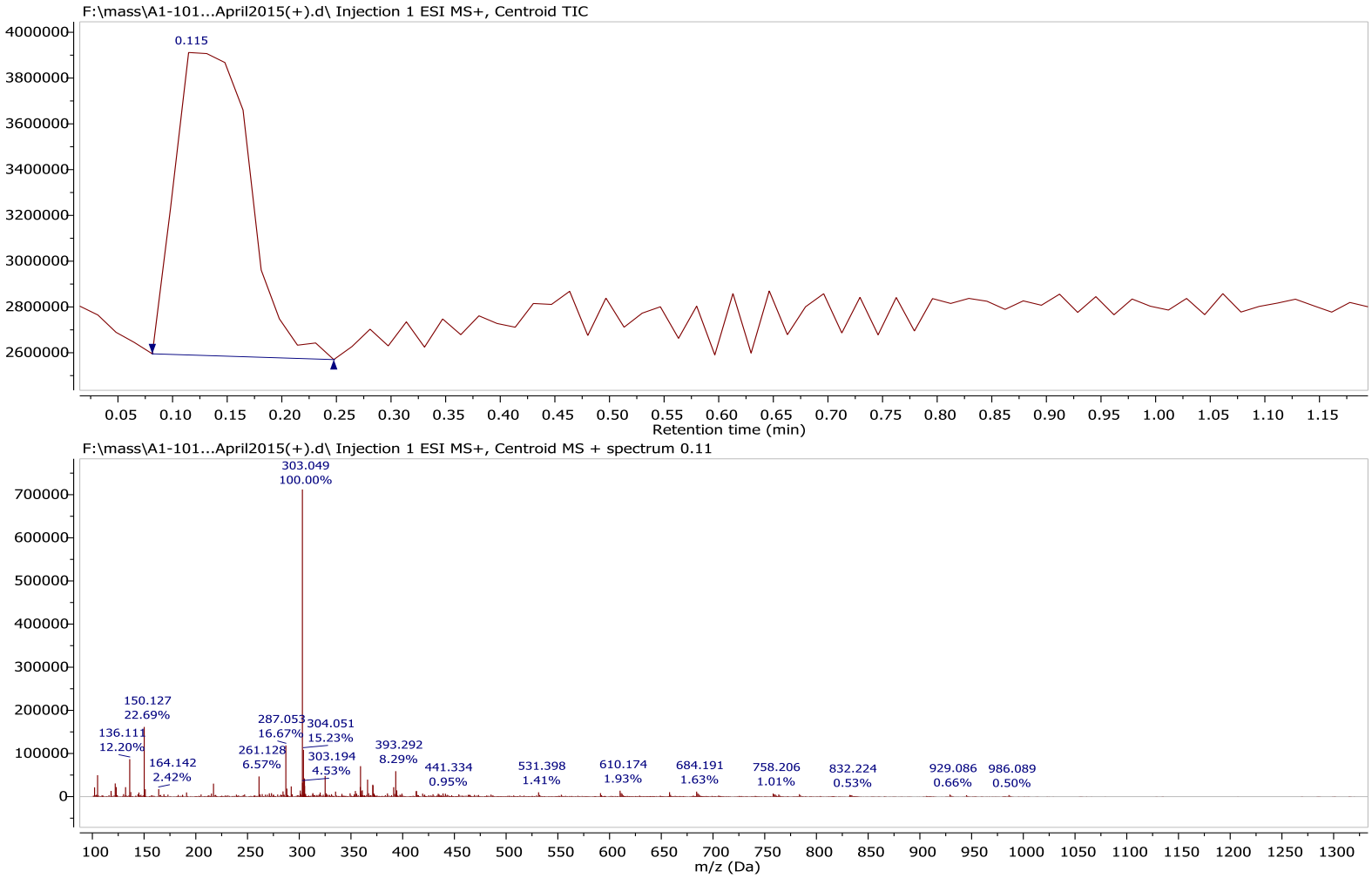

Figure S3. Positive HRESIMS of compound 1

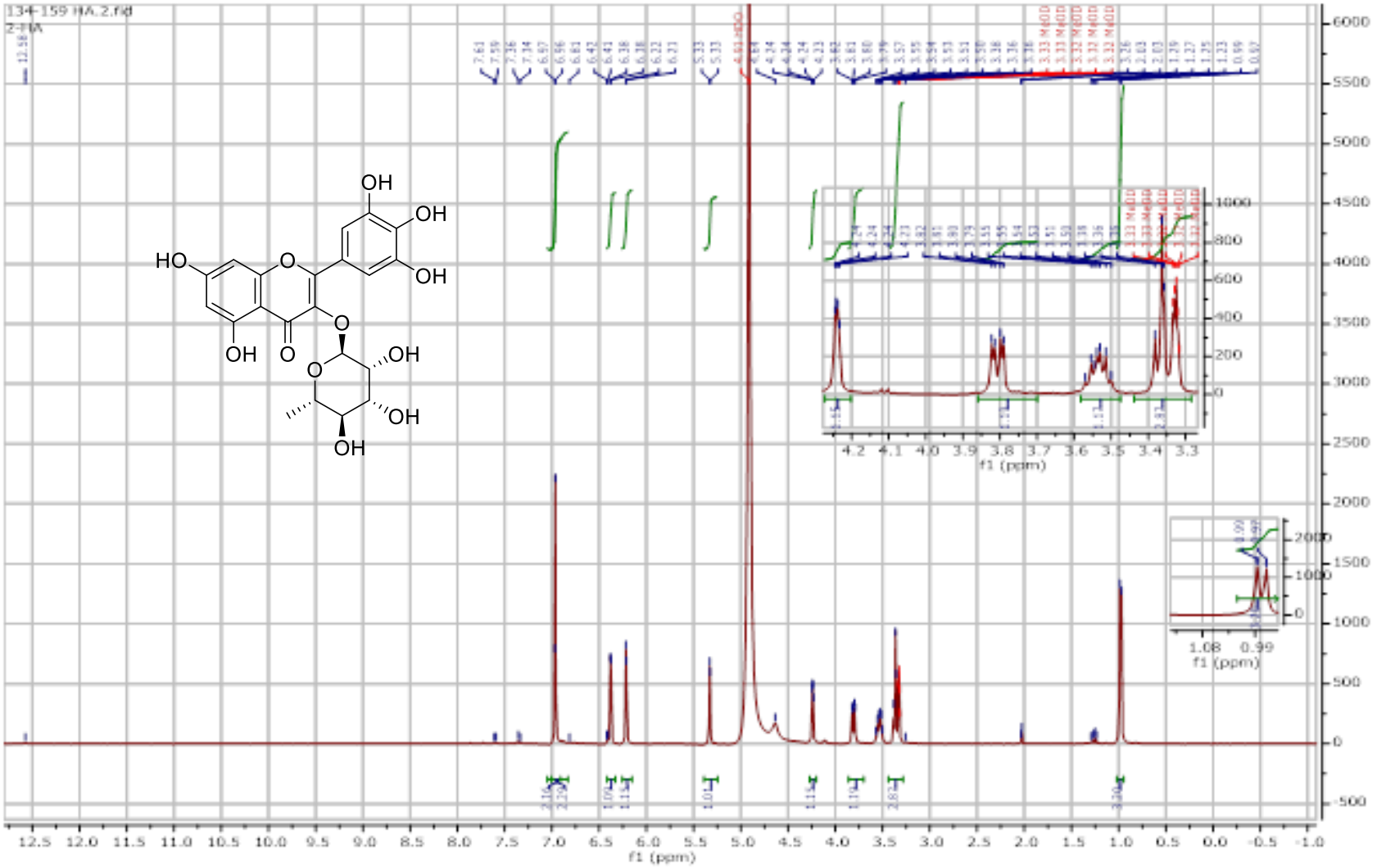

Figure S4. ^{1}H NMR spectrum of compound 2 (Methanol-d_4, 400 MHz)

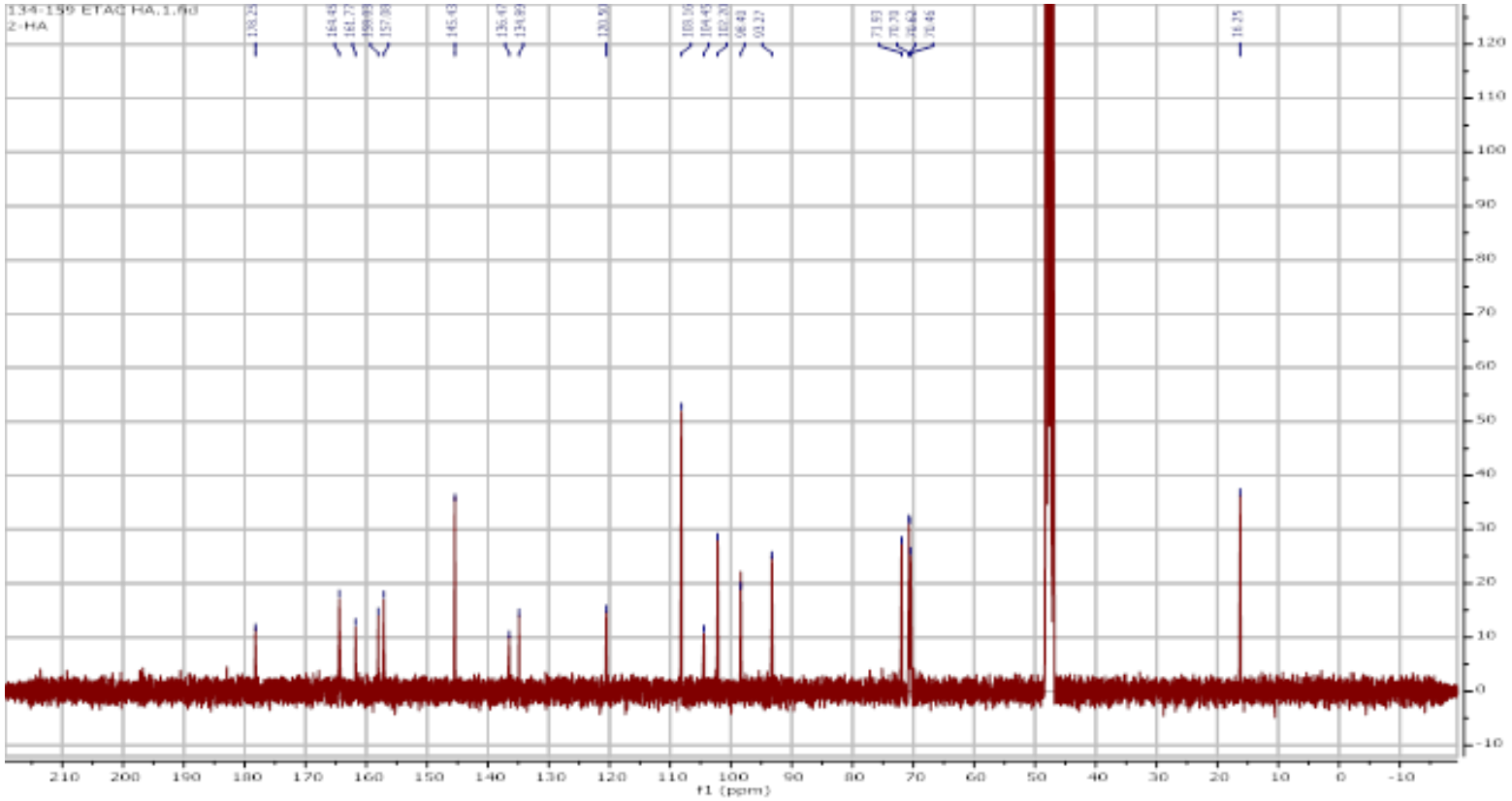

Figure S5. ^{13}C NMR spectrum of compound 2 (Methanol-*d*$_4$, 100 MHz)

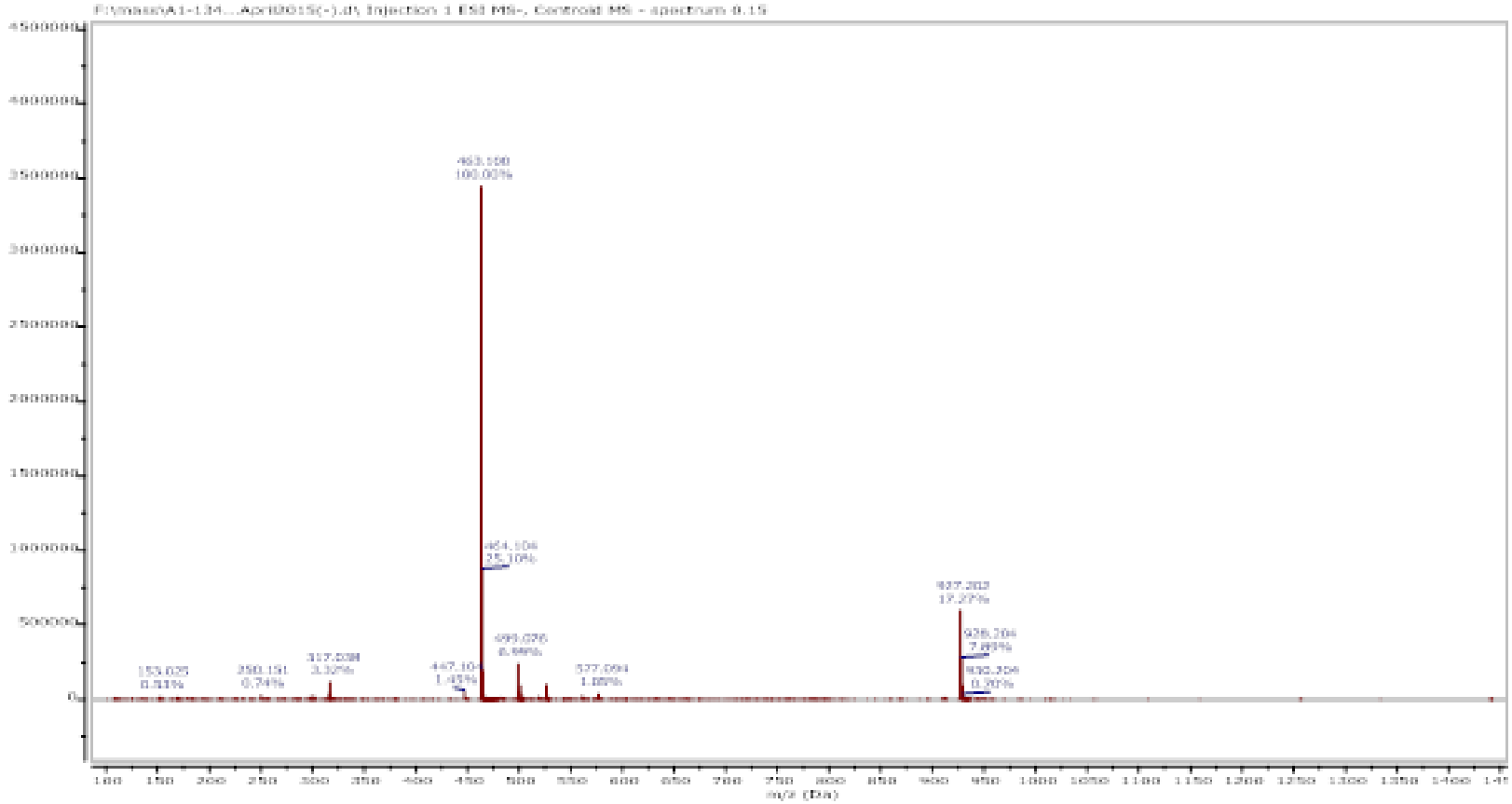

Figure S6. Negative HRESIMS of compound 2

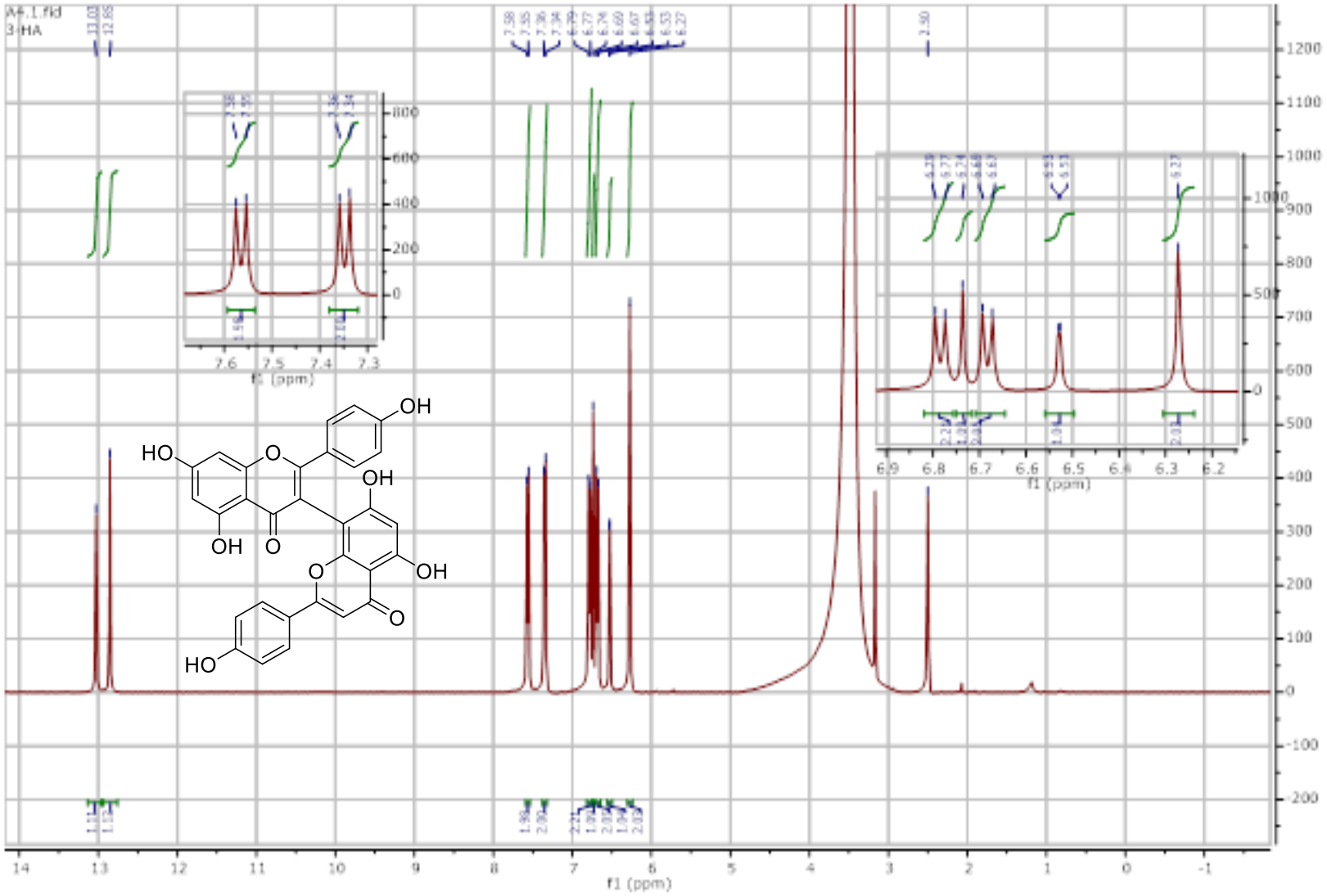

Figure S7. ^{1}H NMR spectrum of compound 3 (DMSO-*d*$_6$, 400 MHz)

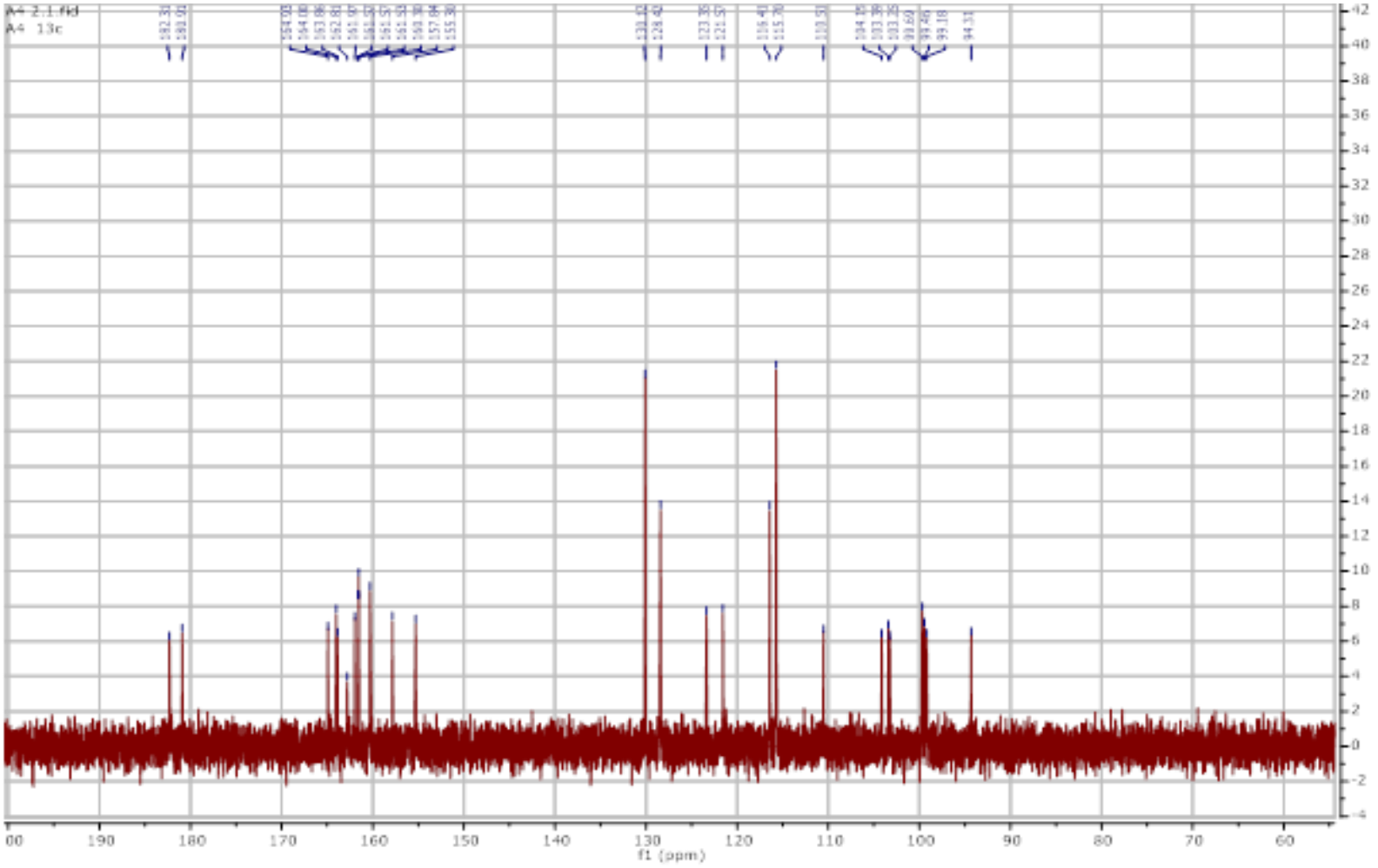

Figure S8. ^{13}C NMR spectrum of compound 3 (DMSO-*d*$_6$, 100 MHz)

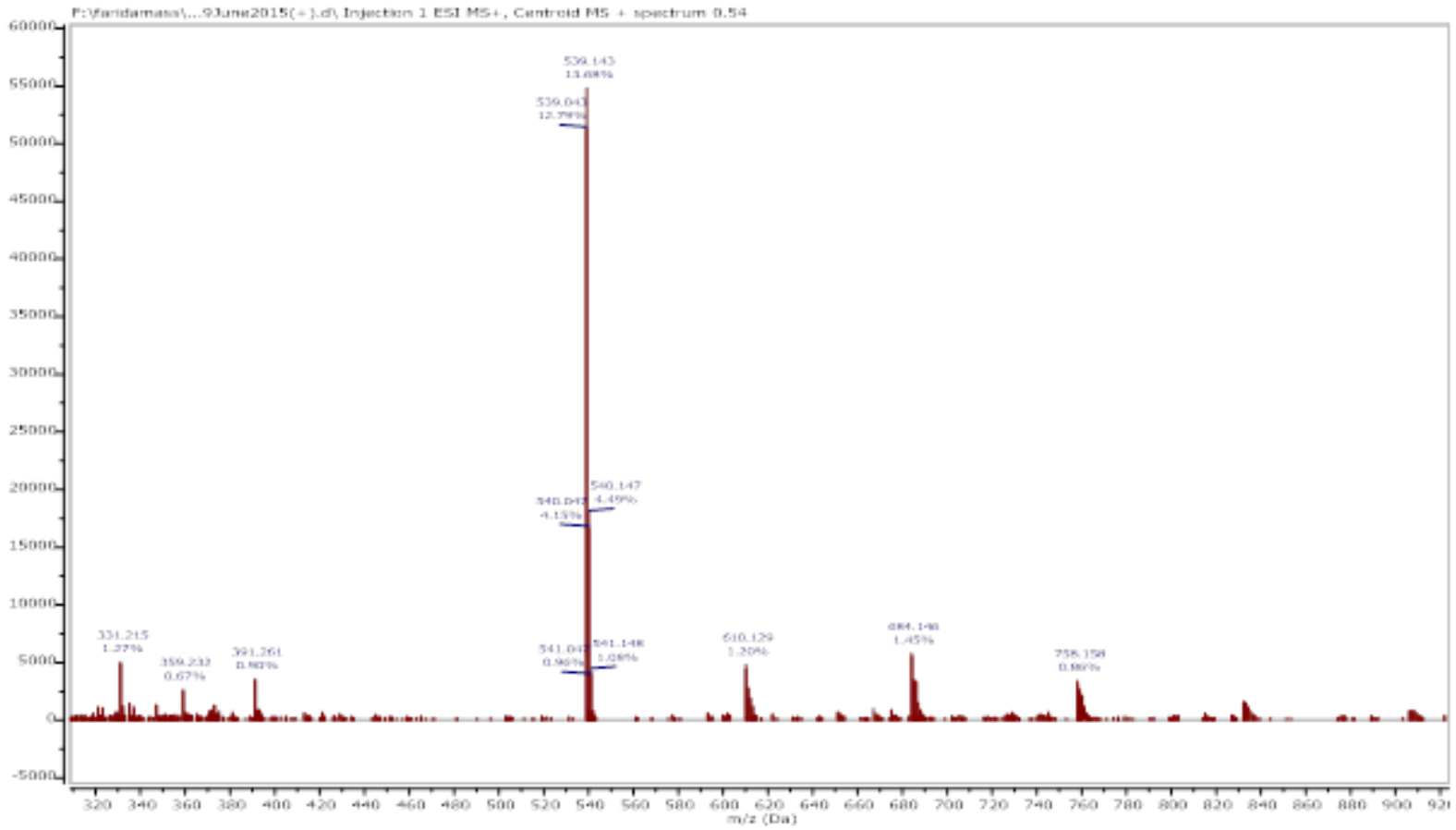

Figure S9. Positive HRESIMS of compound 3

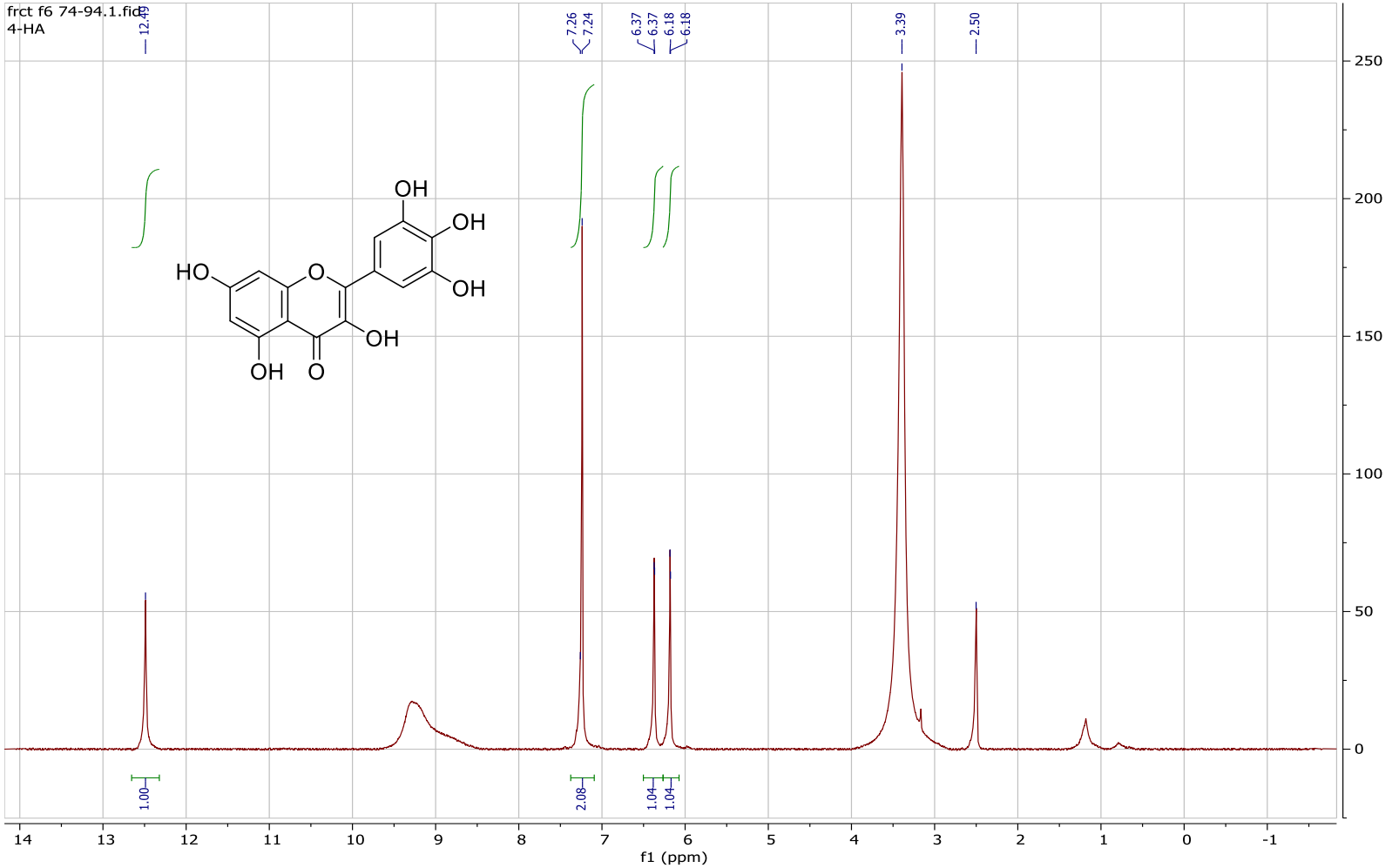

Figure S10. ^{1}H NMR spectrum of compound 4 (DMSO-d_6, 400 MHz)

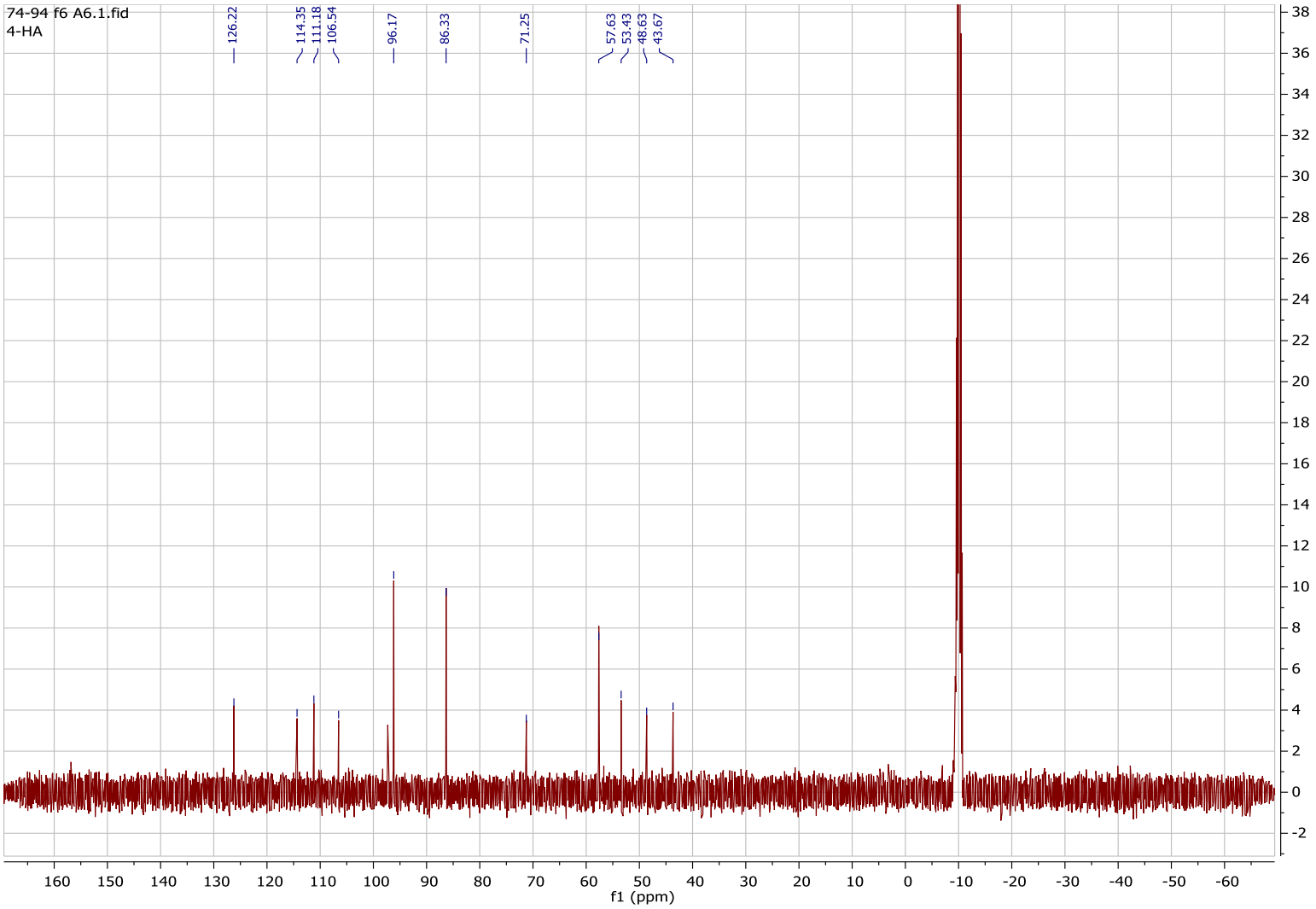

Figure S11. ^{13}C NMR spectrum of compound 4 (DMSO-*d*$_6$, 400 MHz)

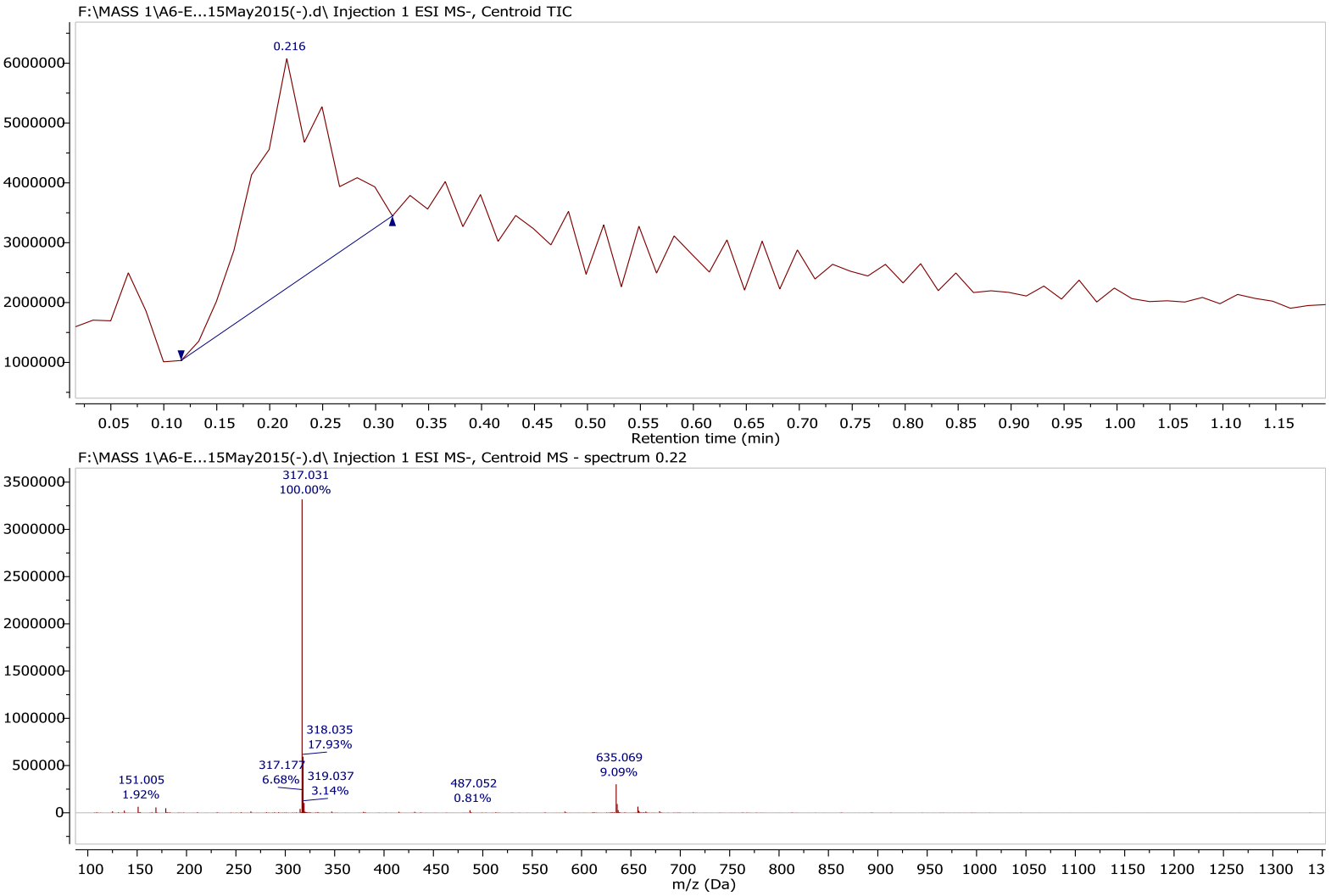

Figure S12. HRESIMS (-) for compound 4

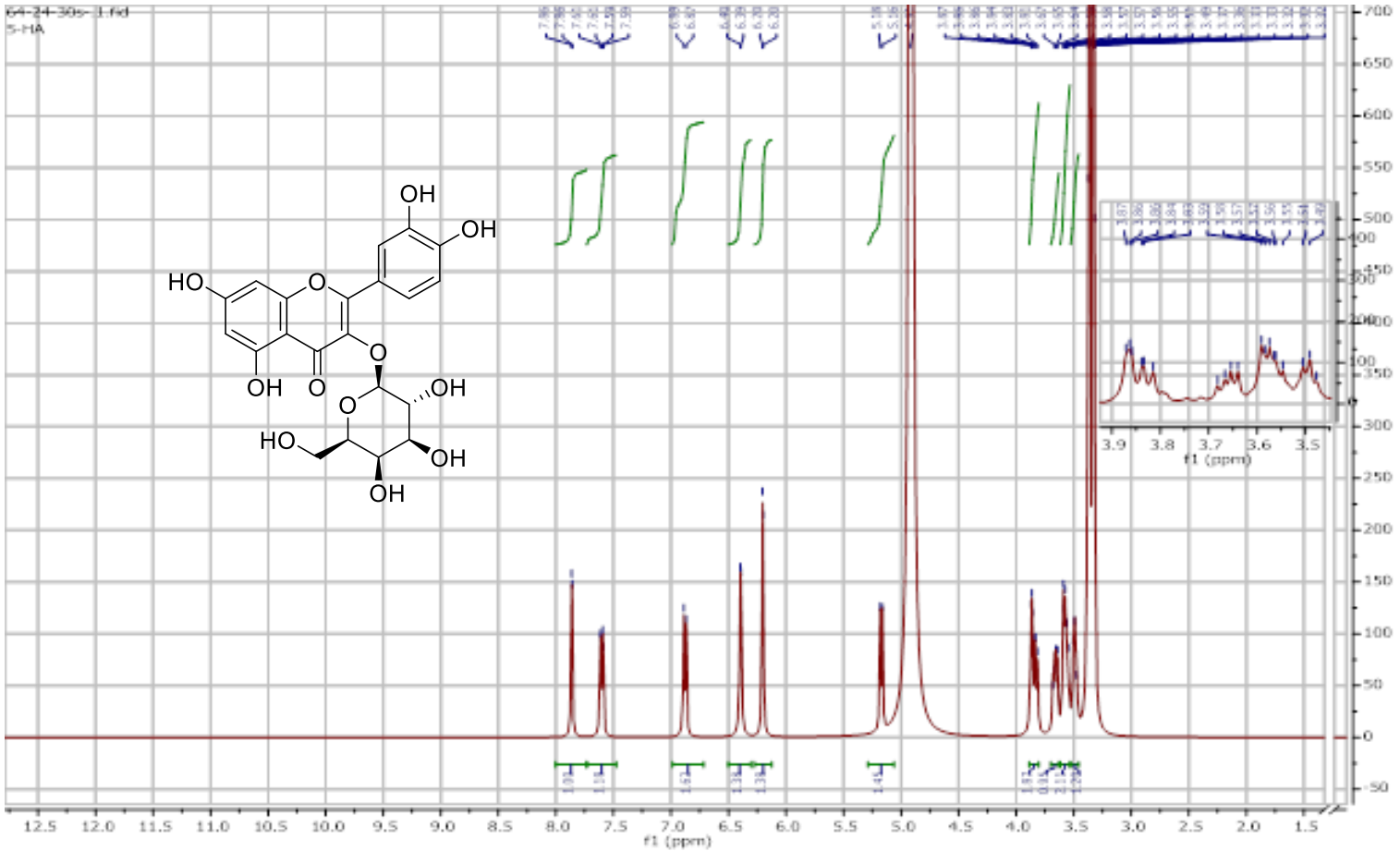

Figure S13. ^{1}H NMR spectrum of compound 5 (DMSO-*d*$_6$, 400 MHz)

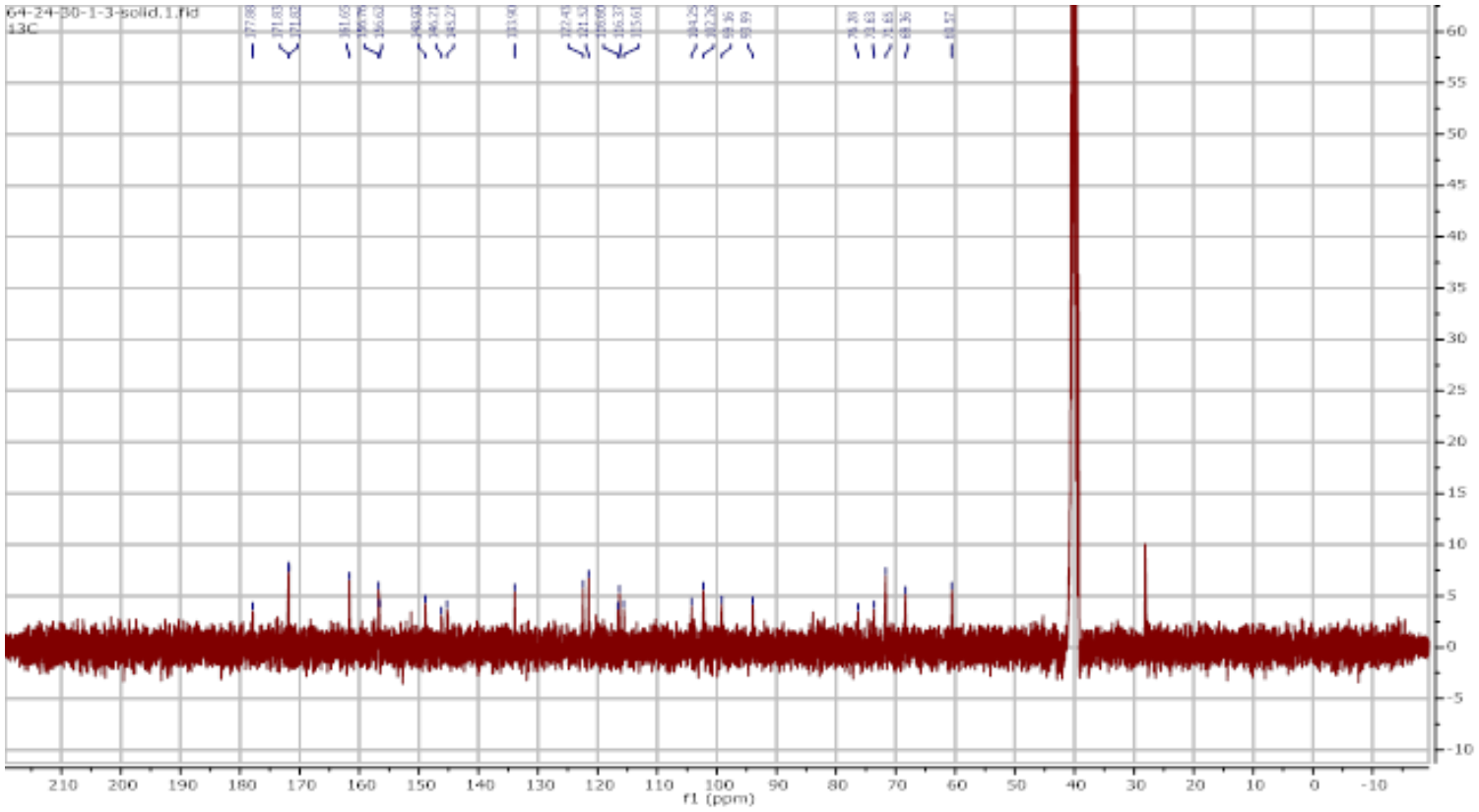

Figure S14. ^{13}C NMR spectrum of compound 5 (DMSO-d_6, 100 MHz)

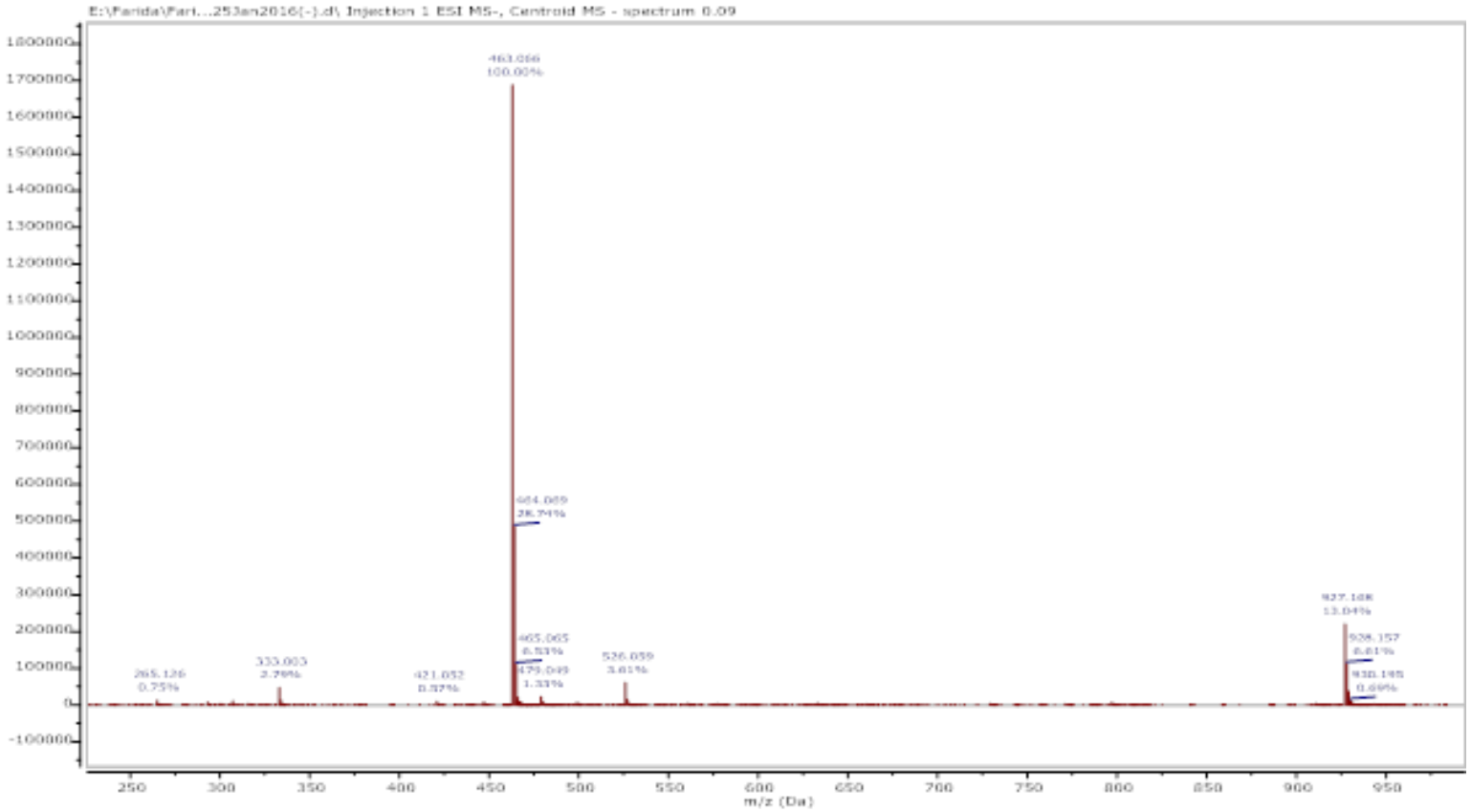

Figure S15. HRESIMS (-) for compound 5

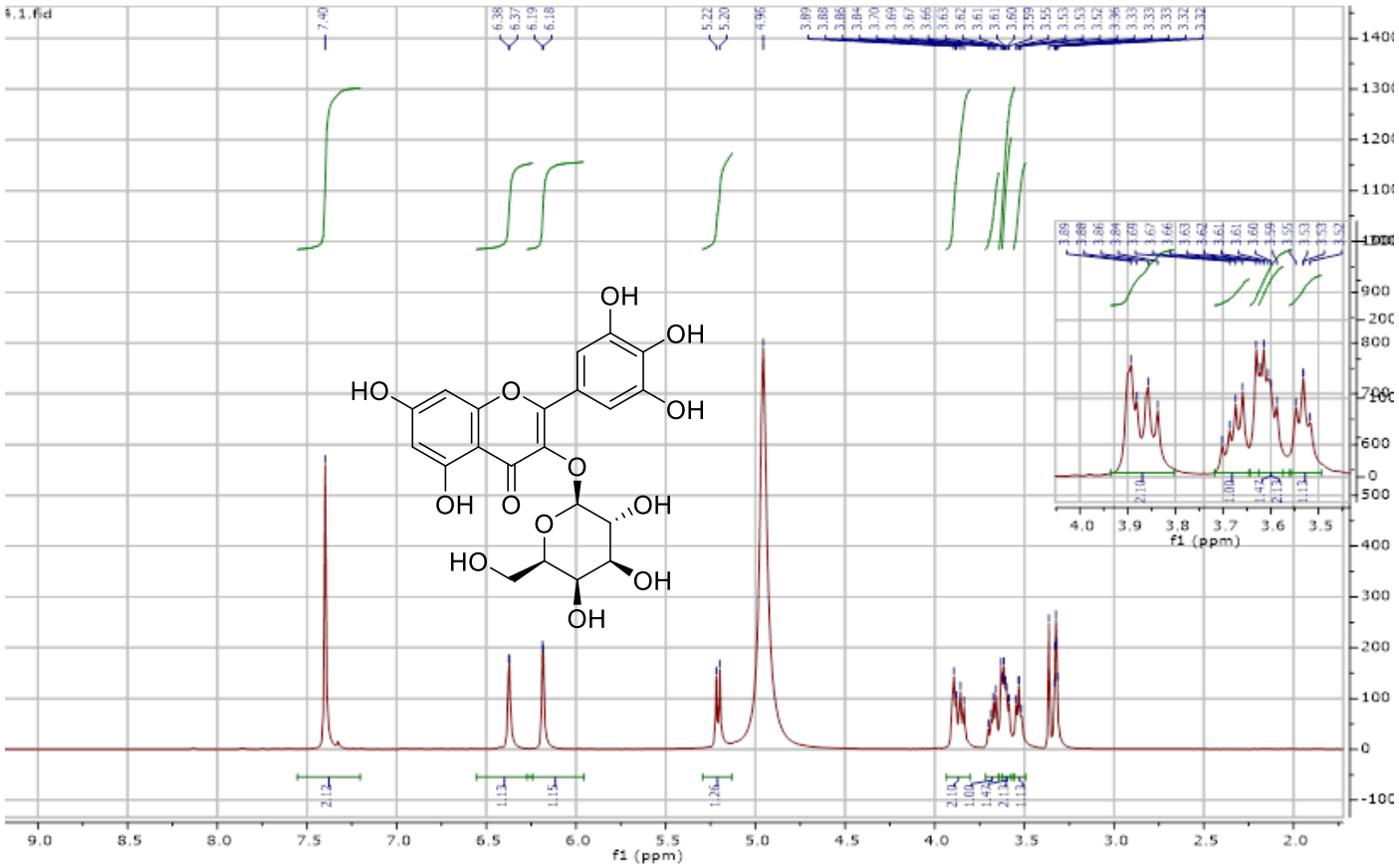

Figure S16. ^{1}H NMR spectrum of compound 6 (Methanol-d_4, 400 MHz)

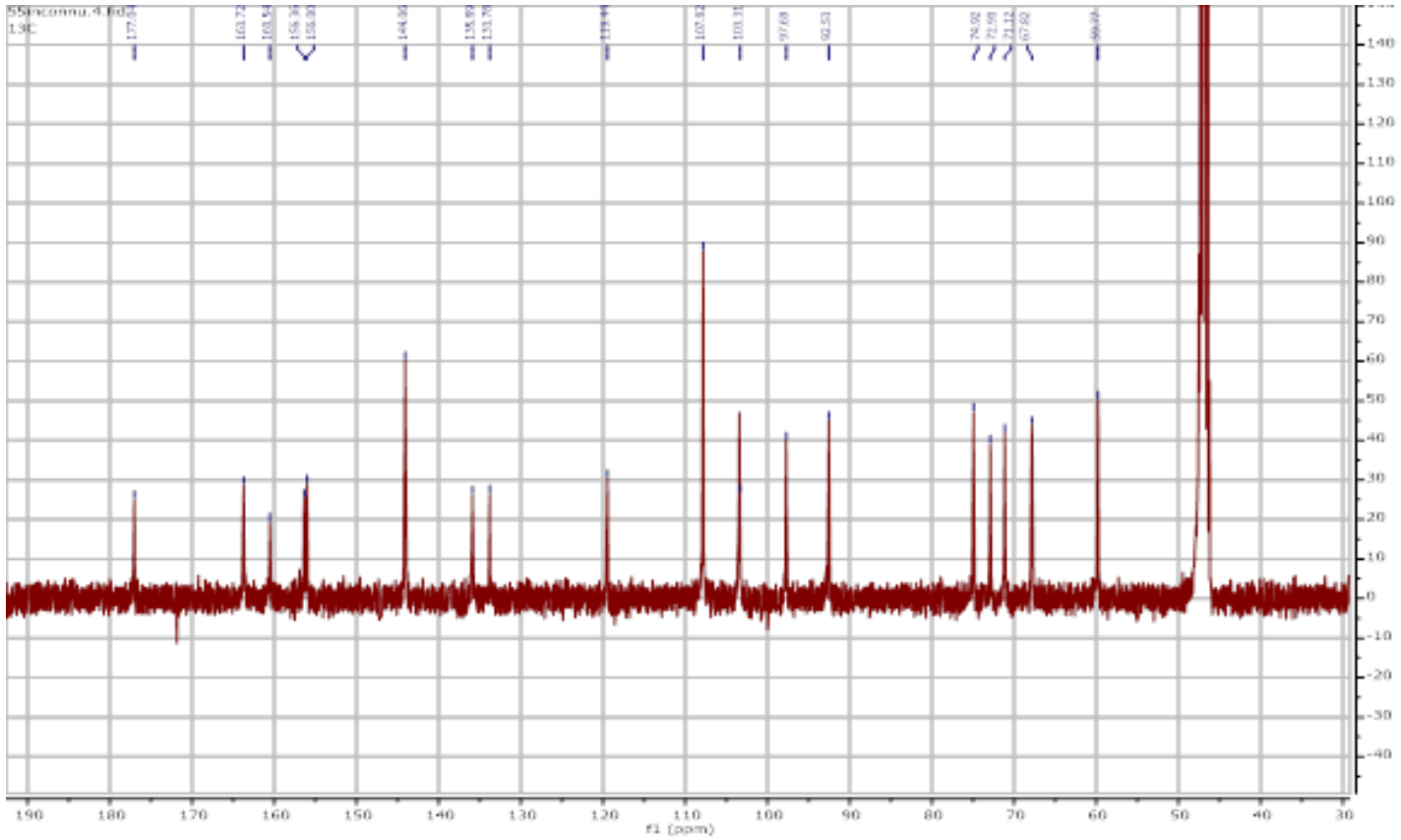

Figure S17. ^{13}C NMR spectrum of compound 6 (Methanol-*d*$_4$, 100 MHz)

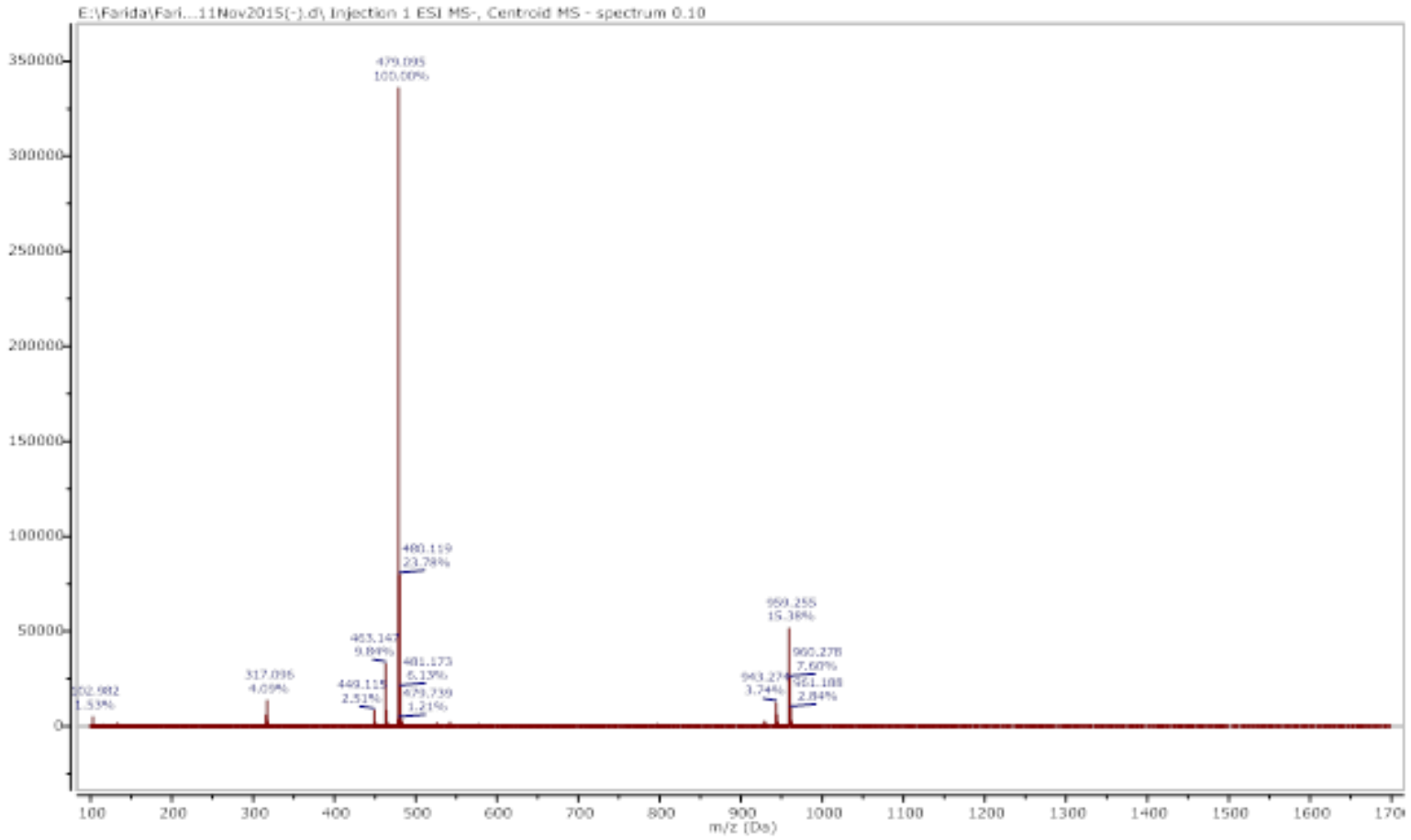

Figure S18. HRESIMS (-) for compound 6

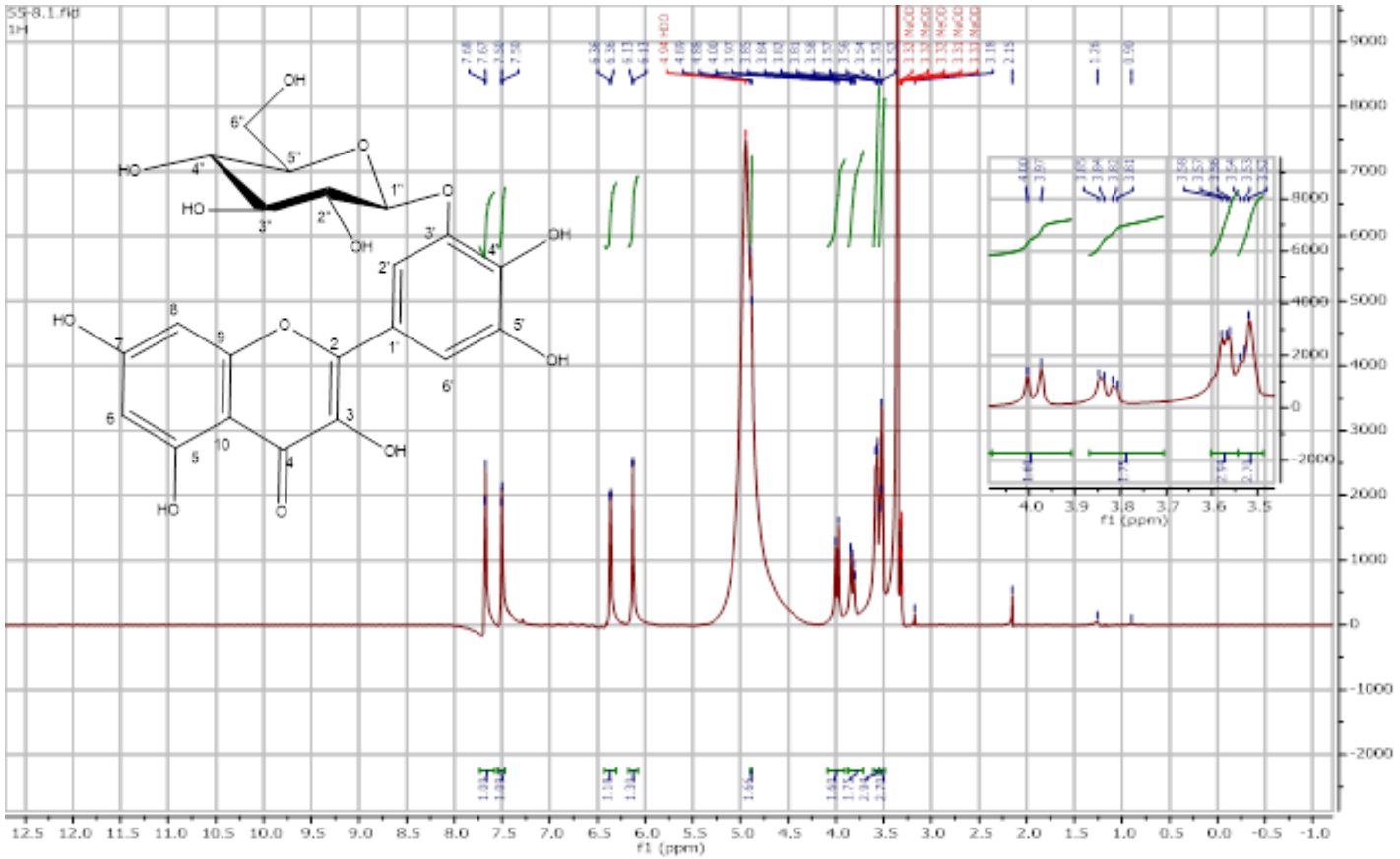

Figure S19. ^{1}H NMR spectrum of compound 7 (Methanol-d_4, 400 MHz)

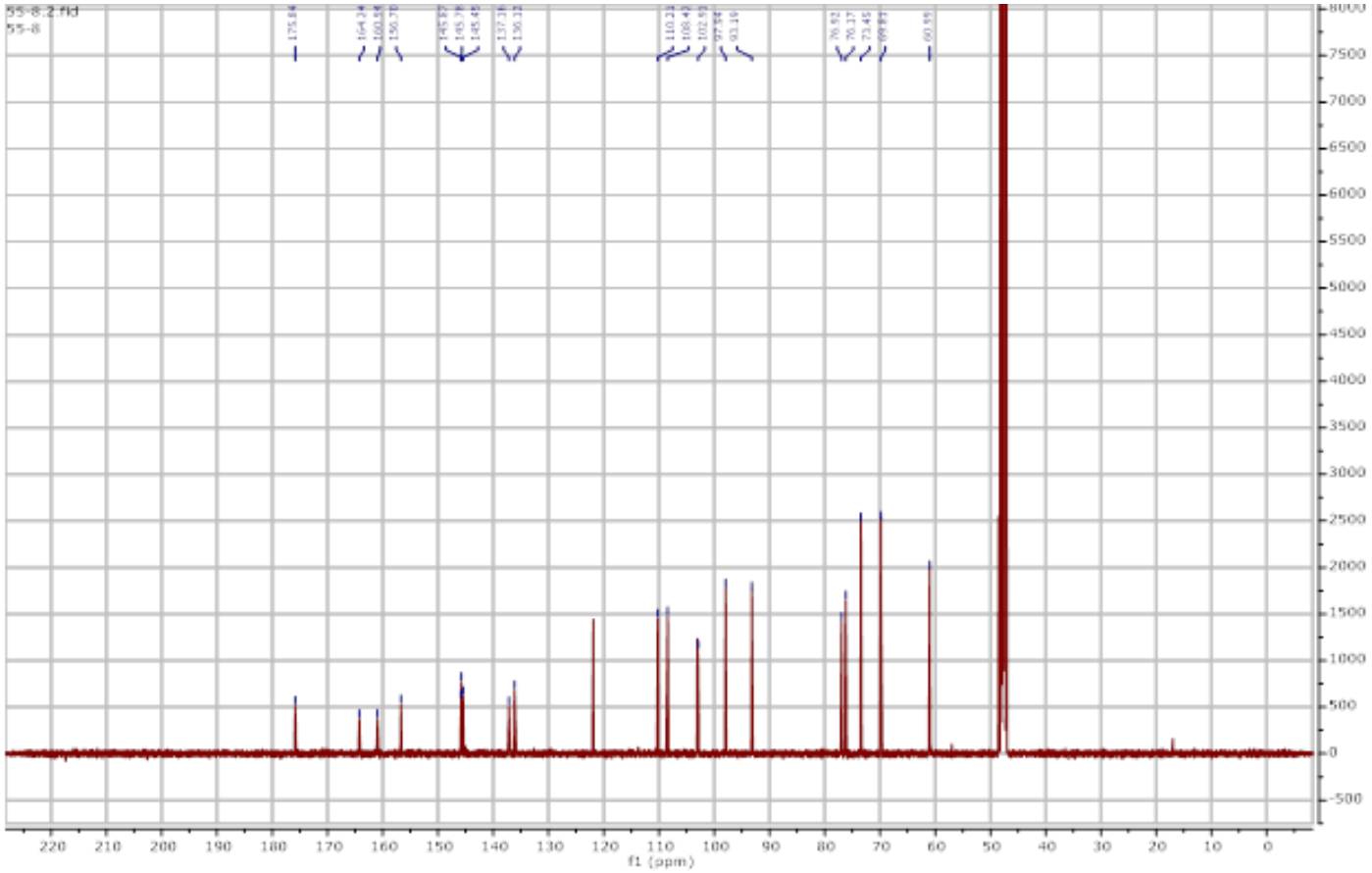

Figure S20. ^{13}C NMR spectrum of compound 7 (Methanol-d$_4$, 100 MHz)

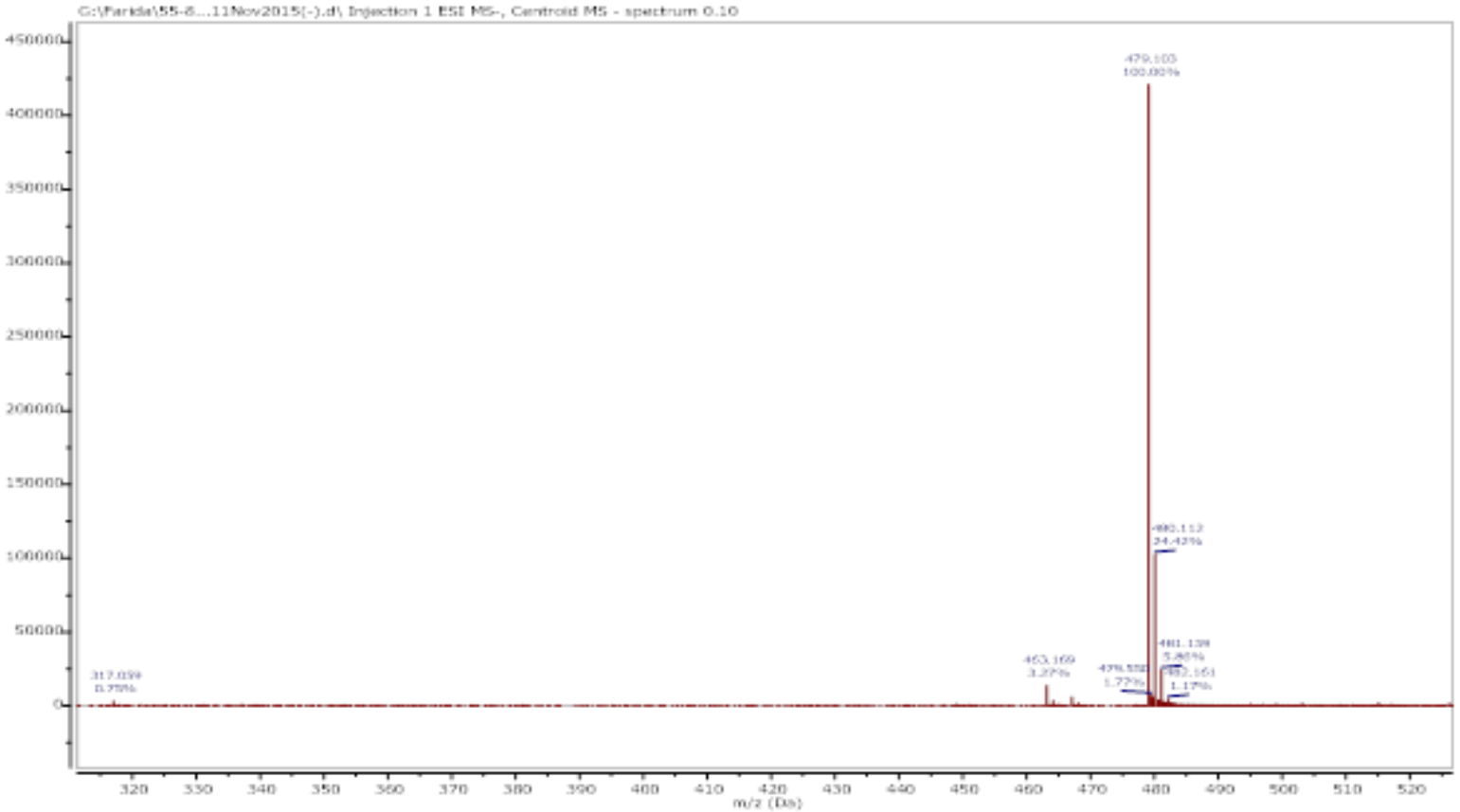

Figure S21. HRESIMS (-) for compound 7