Supporting Information

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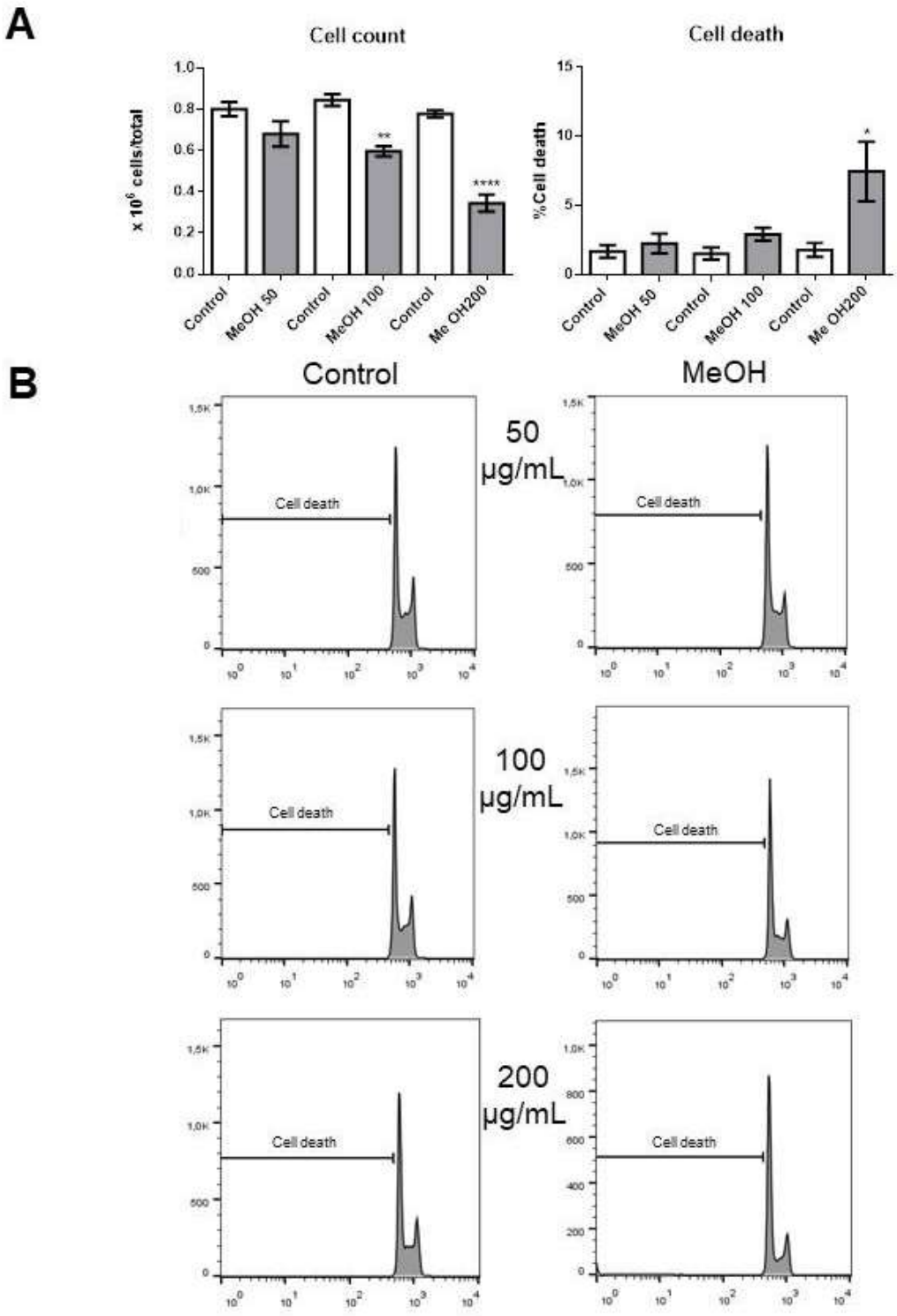

Figure S1. Effects of methanol extract (M) of *L. crithmoides* on OCI-AML3 cell number and apoptotic cell death. **A.** Bars represent the cell number (left panel) or the percentage of apoptotic cells after 24 h of treatment with control vehicle (Control) or 50 (MeOH 50), 100 (MeOH 100) or 200 (MeOH 200) µg/mL of the methanol extract (M). **B**. Flow cytometry analyses of a representative experiment. Data from three independent experiments are reported as mean ± SEM. * < 0.05; ** < 0,01; *** < 0,001.

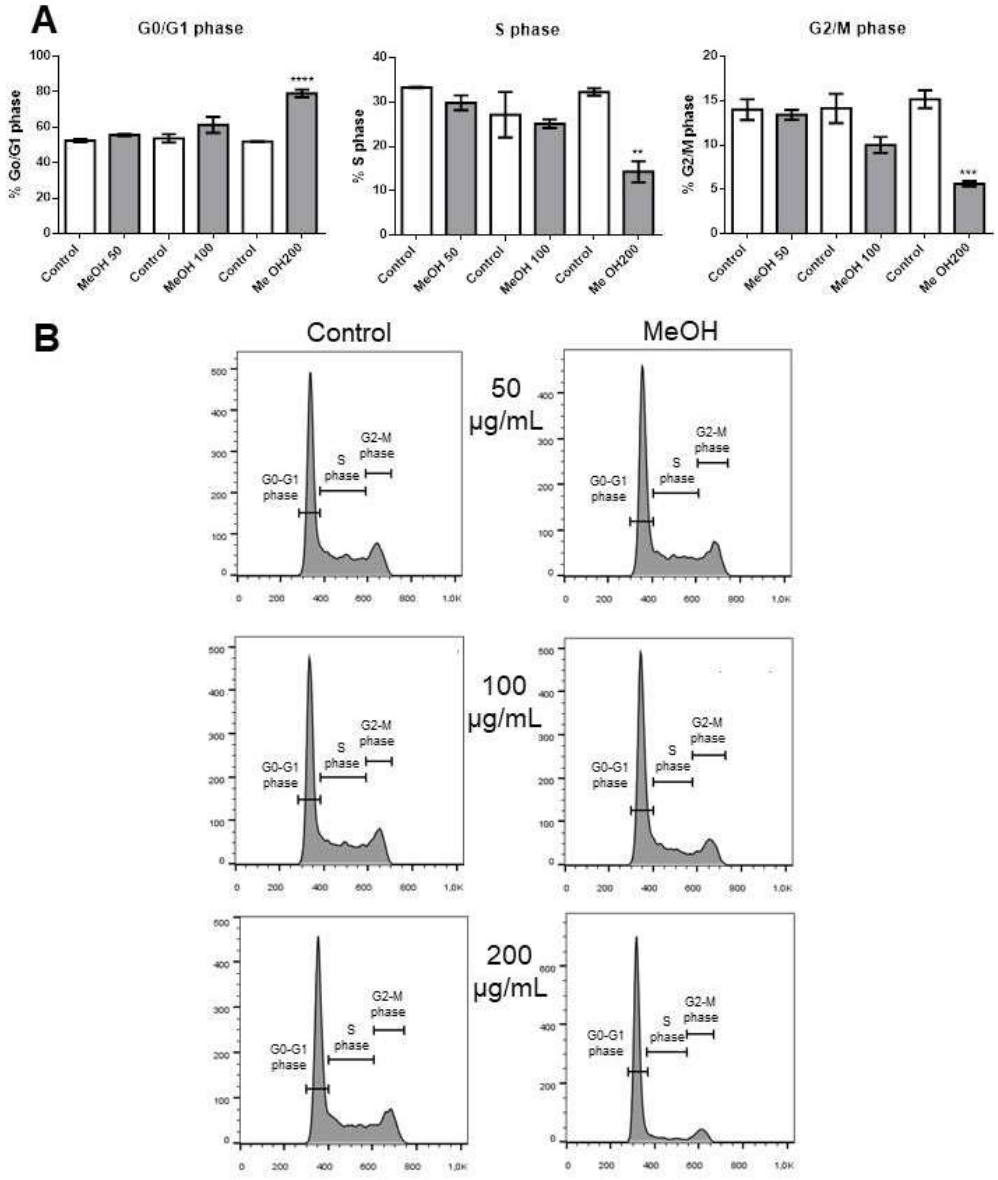

Figure S2. Effects of methanol extract (M) of *L. crithmoides* on OCI-AML3 cell cycle progression. **A.** Bars represent the percentage of cells in G0/G1 (left panel), S (middle panel), or G2/M (right panel) phases after 24 h of treatment with control vehicle (Control) or 50 (MeOH 50), 100 (MeOH 100) or 200 (MeOH 200) µg/mL of the methanol extract (M). **B**. Flow cytometry analyses of a representative experiment. Data from three independent experiments are reported as mean ± SEM. ** < 0,01; *** < 0,001.

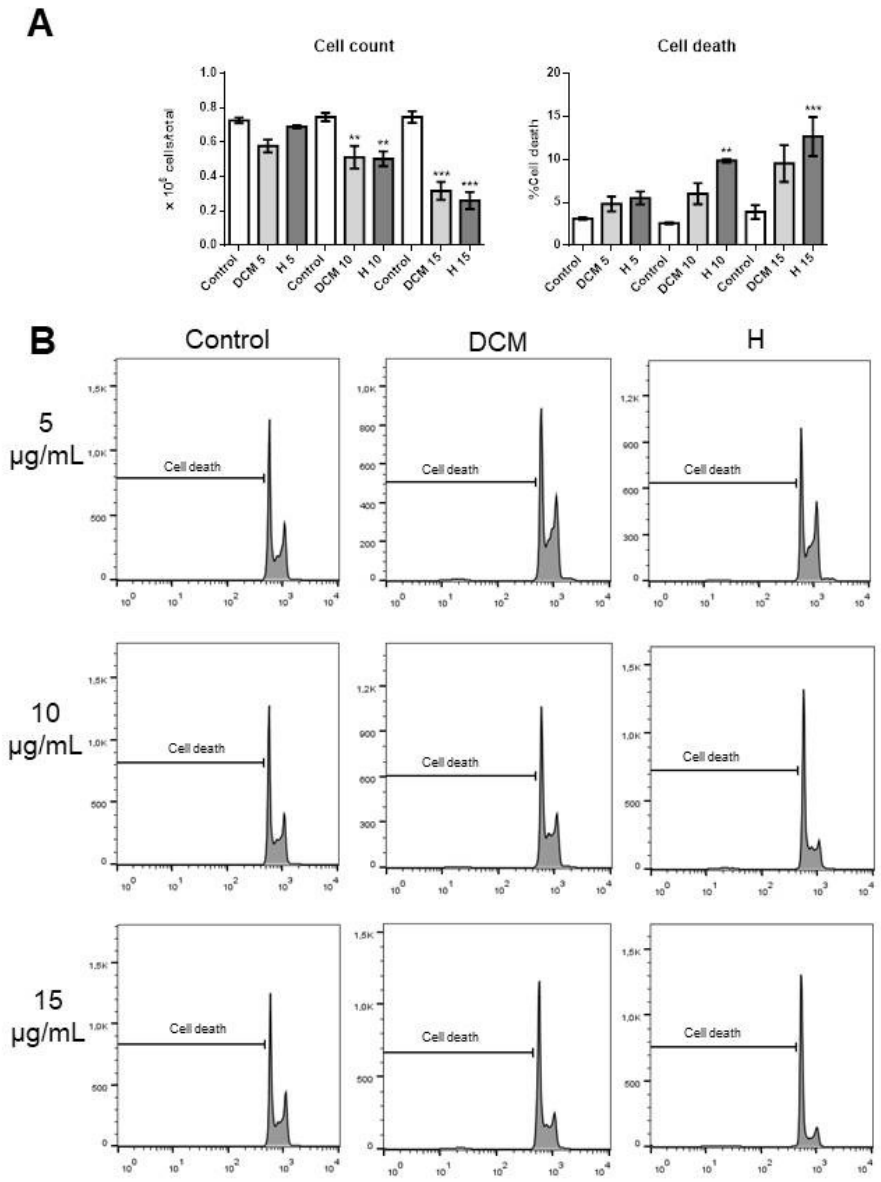

Figure S3. Effects of DCM or H extracts of *L. crithmoides* on OCI-AML3 cell number and apoptotic cell death**. A.** Bars represent the cell number (left panel) or the percentage of apoptotic cells after 24 h of treatment with control vehicle (Control) or 5 (DCM 5; H 5), 10 (DCM 10; H 10) or 15 (DCM 15; H 15) µg/mL of the DCM or H extracts, respectively. **B**. Flow cytometry analyses of a representative experiment. Data from three independent experiments are reported as mean ± SEM. * < 0.05; ** < 0,01; *** < 0,001.

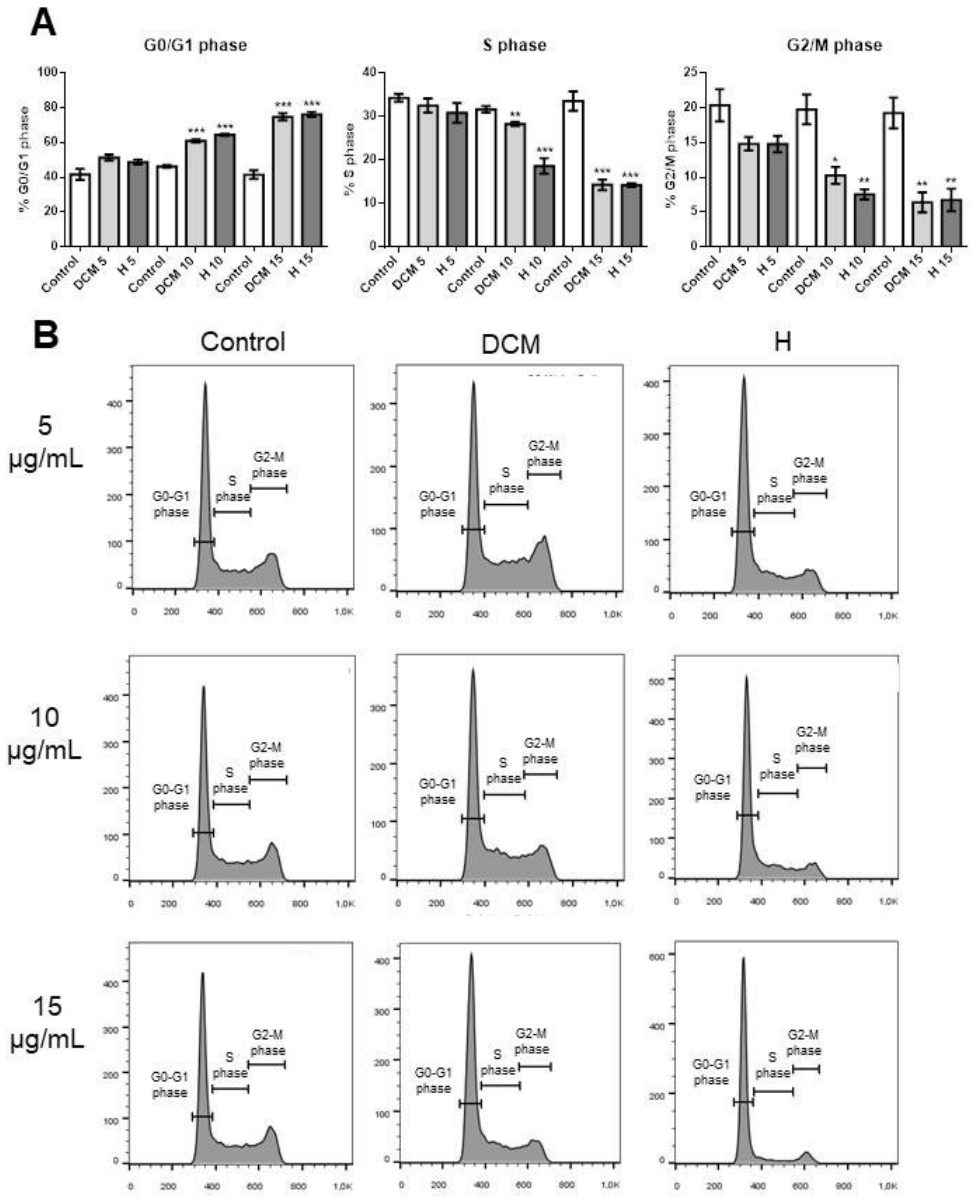

Figure S4. Effects of DCM or H extracts of *L. crithmoides* on OCI-AML3 cell cycle progression. **A.** Bars represent the percentage of cells in G0/G1 (left panel), S (middle panel), or G2/M (right panel) phases after 24 h of treatment with control vehicle (Control) or 5 (DCM 5; H 5), 10 (DCM 10; H 10) or 15 (DCM 15; H 15) µg/mL of the DCM or H extracts, respectively. **B**. Flow cytometry analyses of a representative experiment. Data from three independent experiments are reported as mean ± SEM. * < 0,05, ** < 0,01; *** < 0,001.

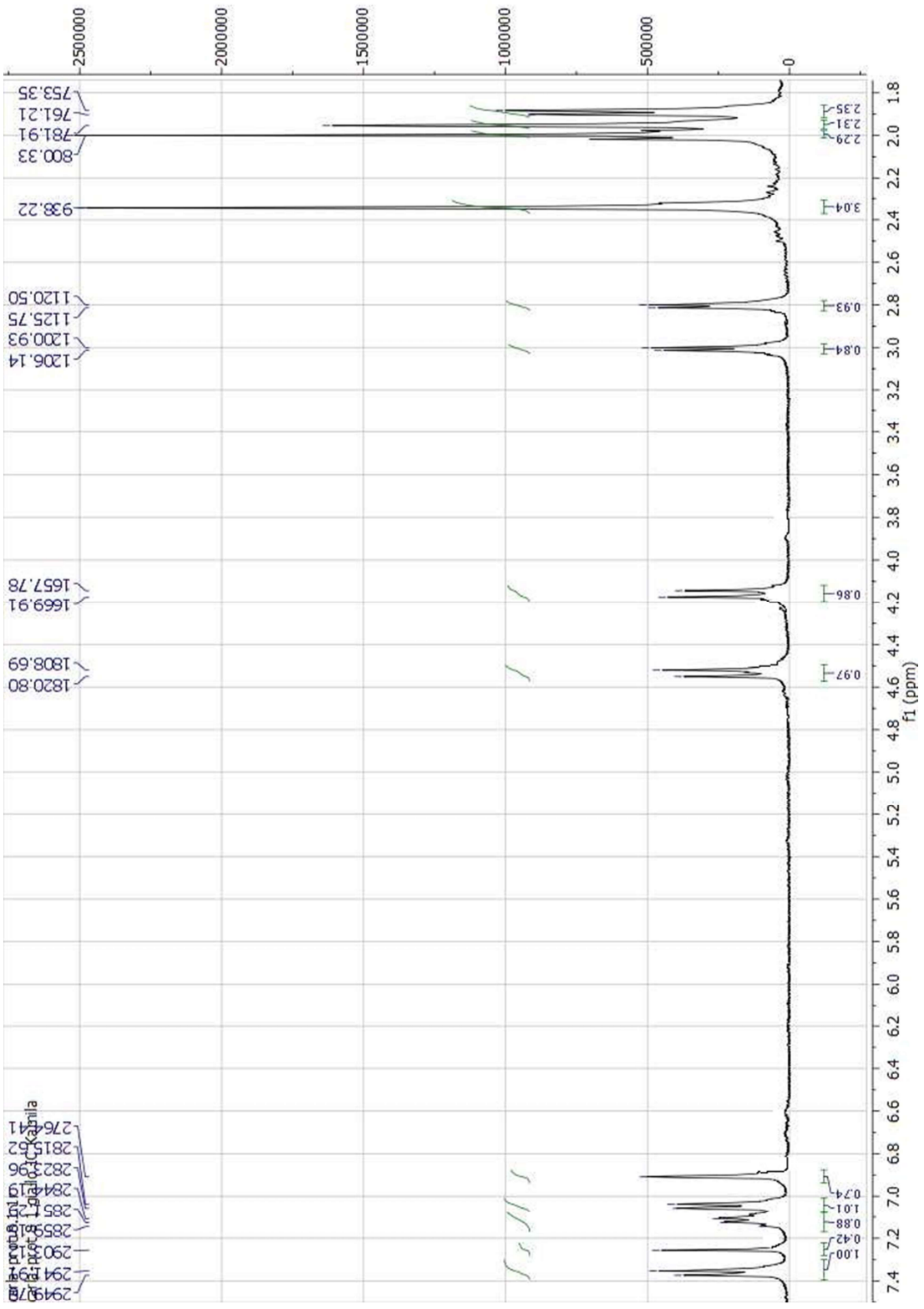

Figure S5. [1]H NMR Spectrum of compound **1.**

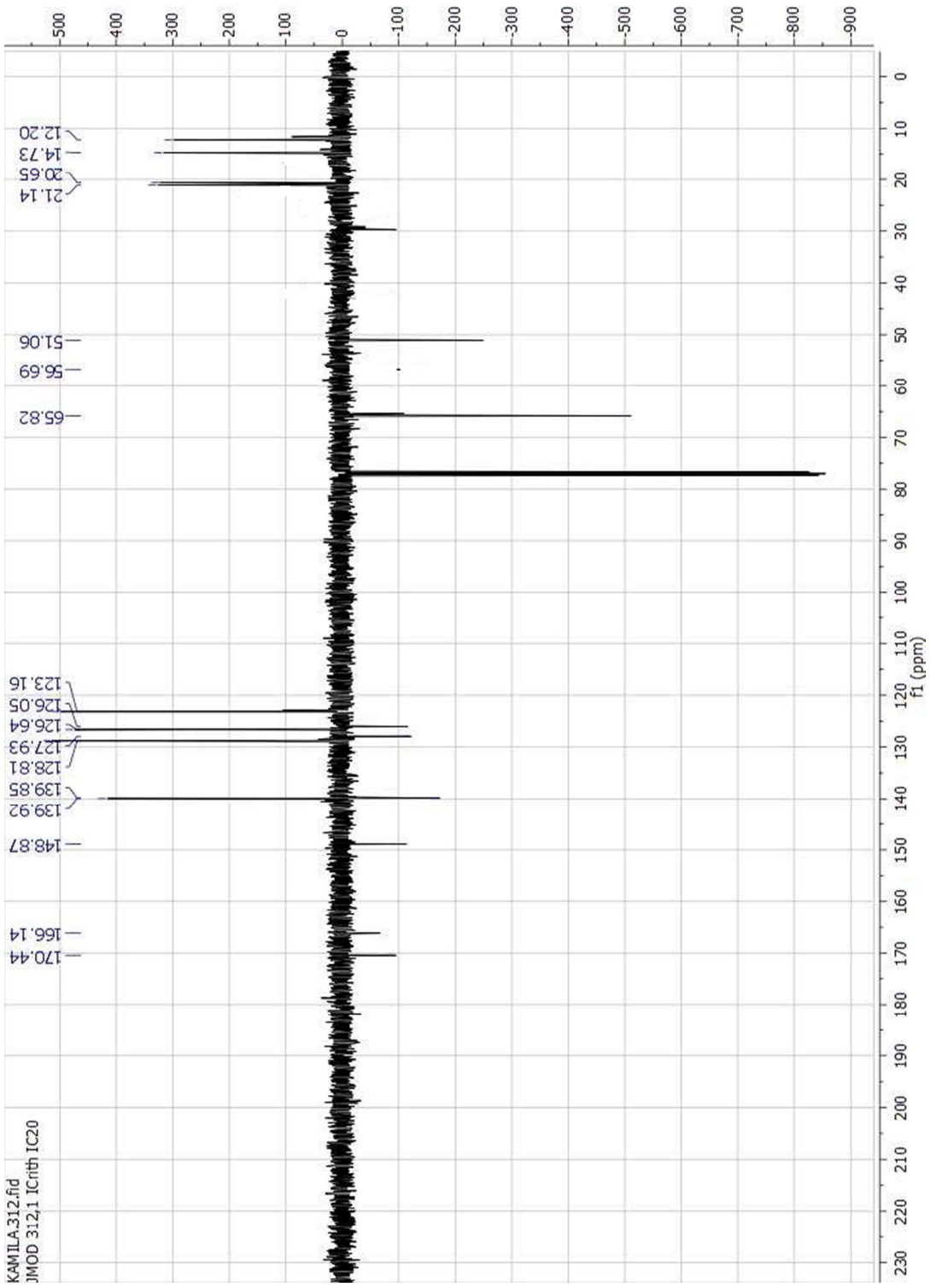

Figure S6. JMODXH spectrum of compound **1**.

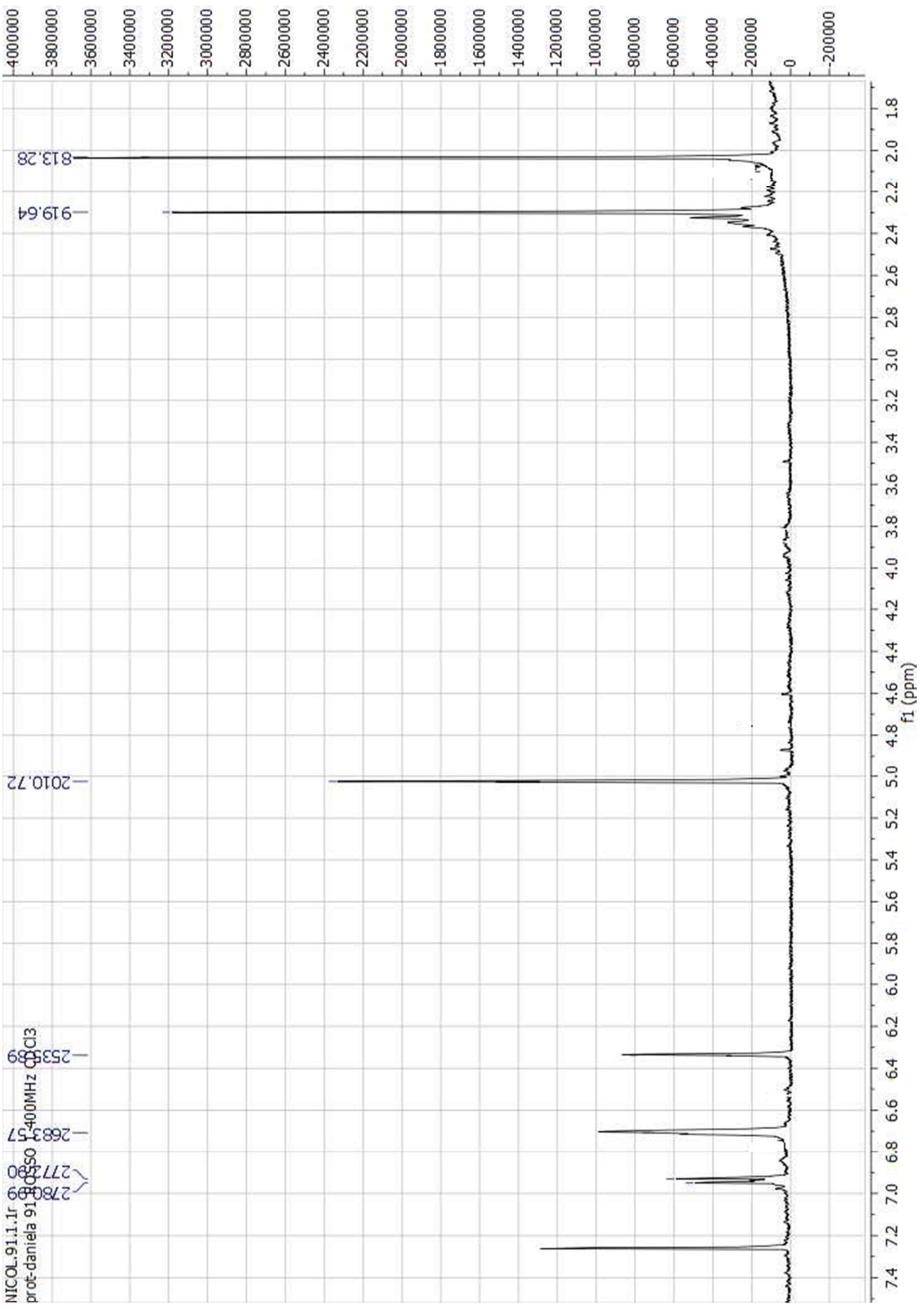

Figure S7. ^{1}H NMR spectrum of compound **2**.

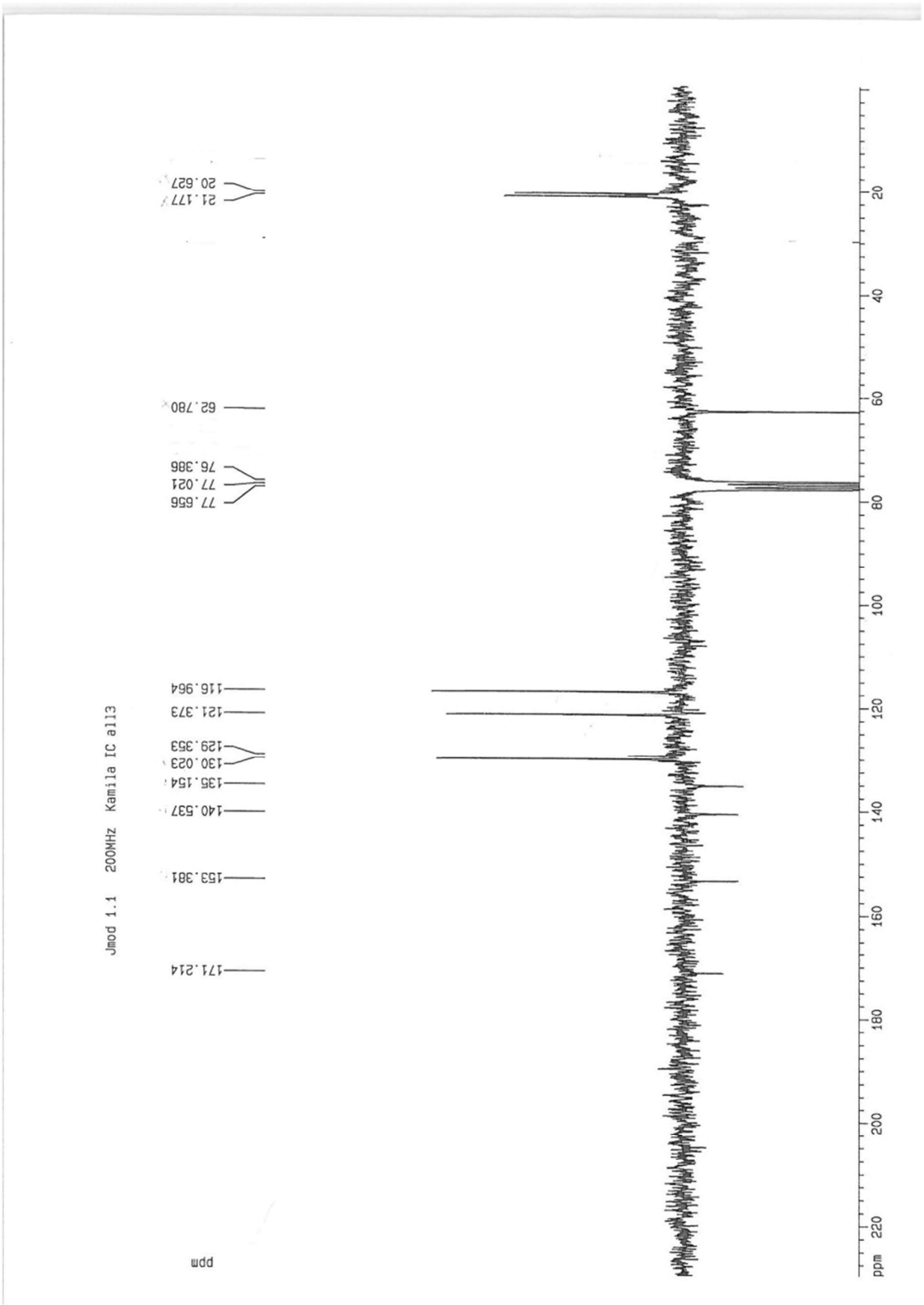

Figure S8. JMODXH spectrum of compound **2**.

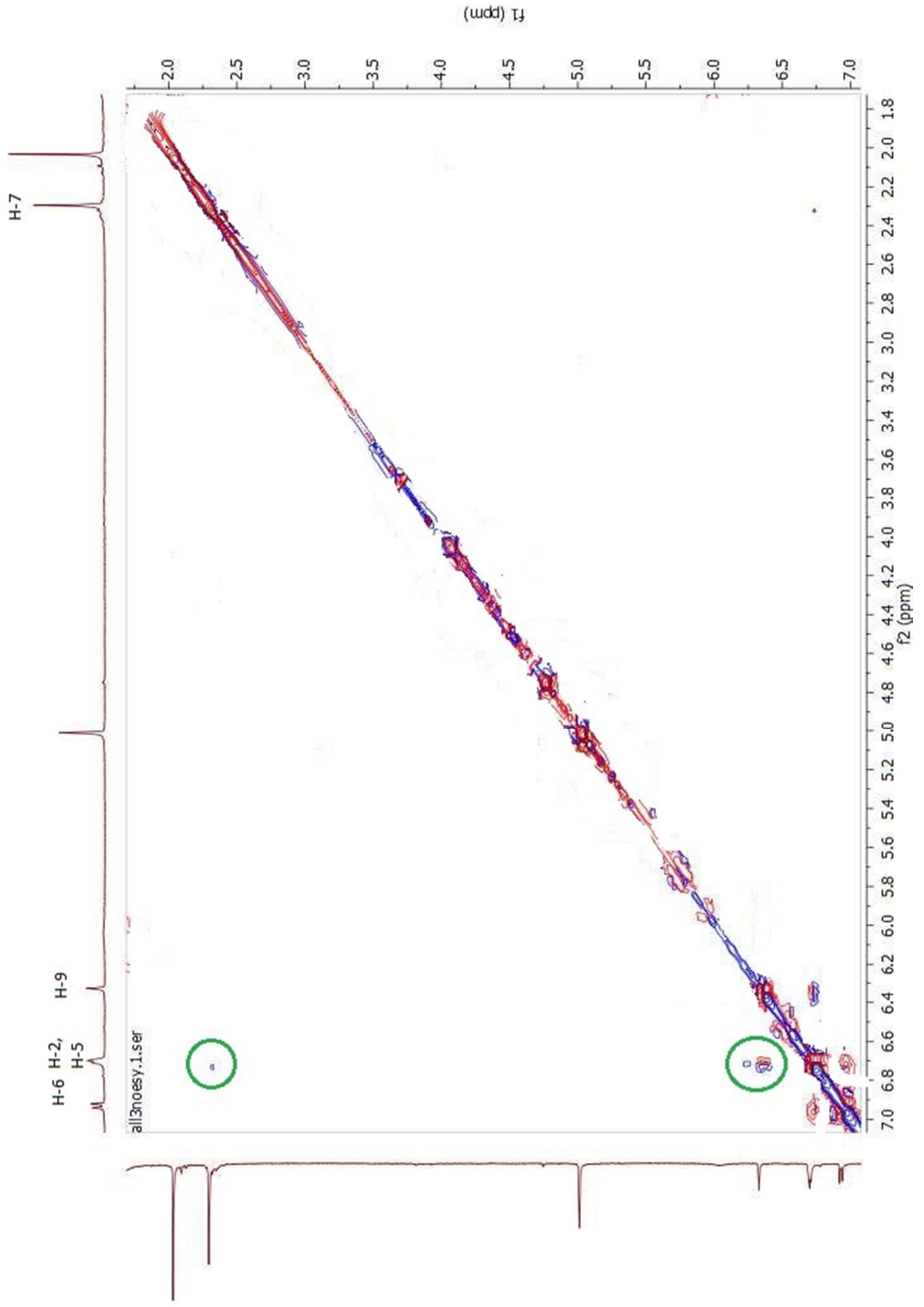

Figure S9. NOESY spectrum of compound **2**.

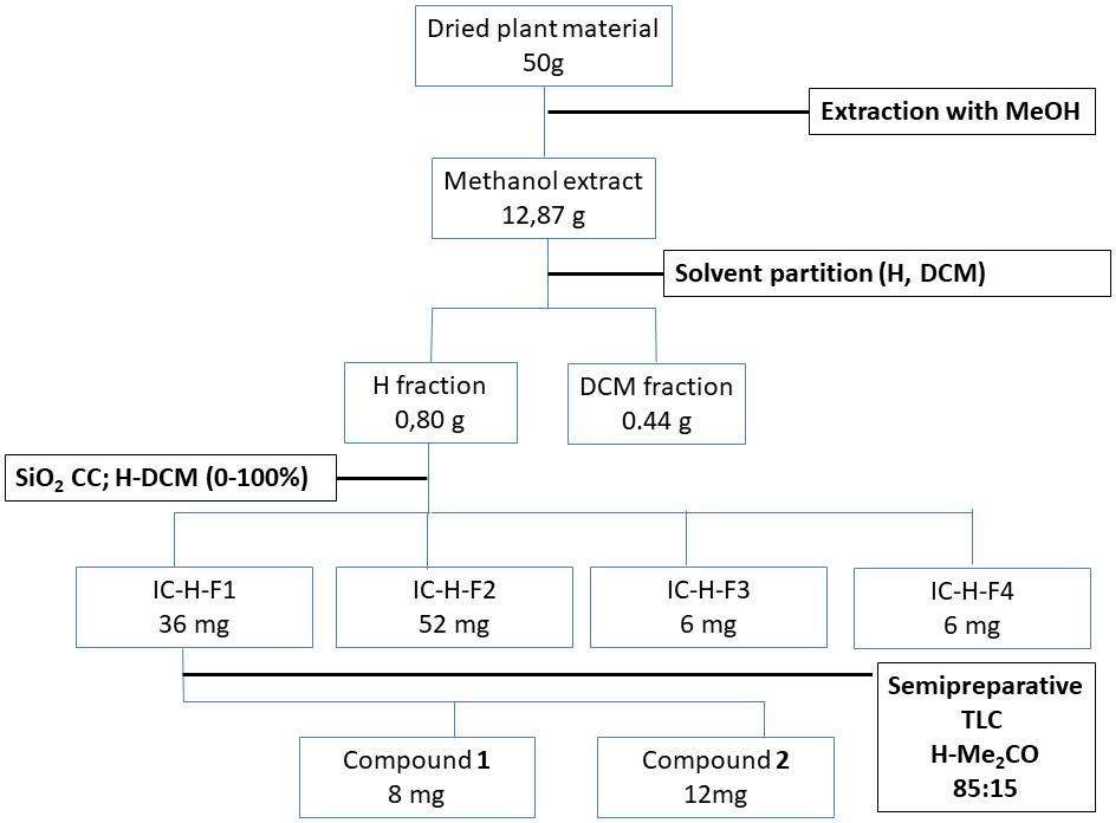

Figure S10. Flow chart of the isolation.