Weed Suppressing Potential and Isolation of Potent Plant Growth Inhibitors from *Castanea crenata* Sieb. et Zucc

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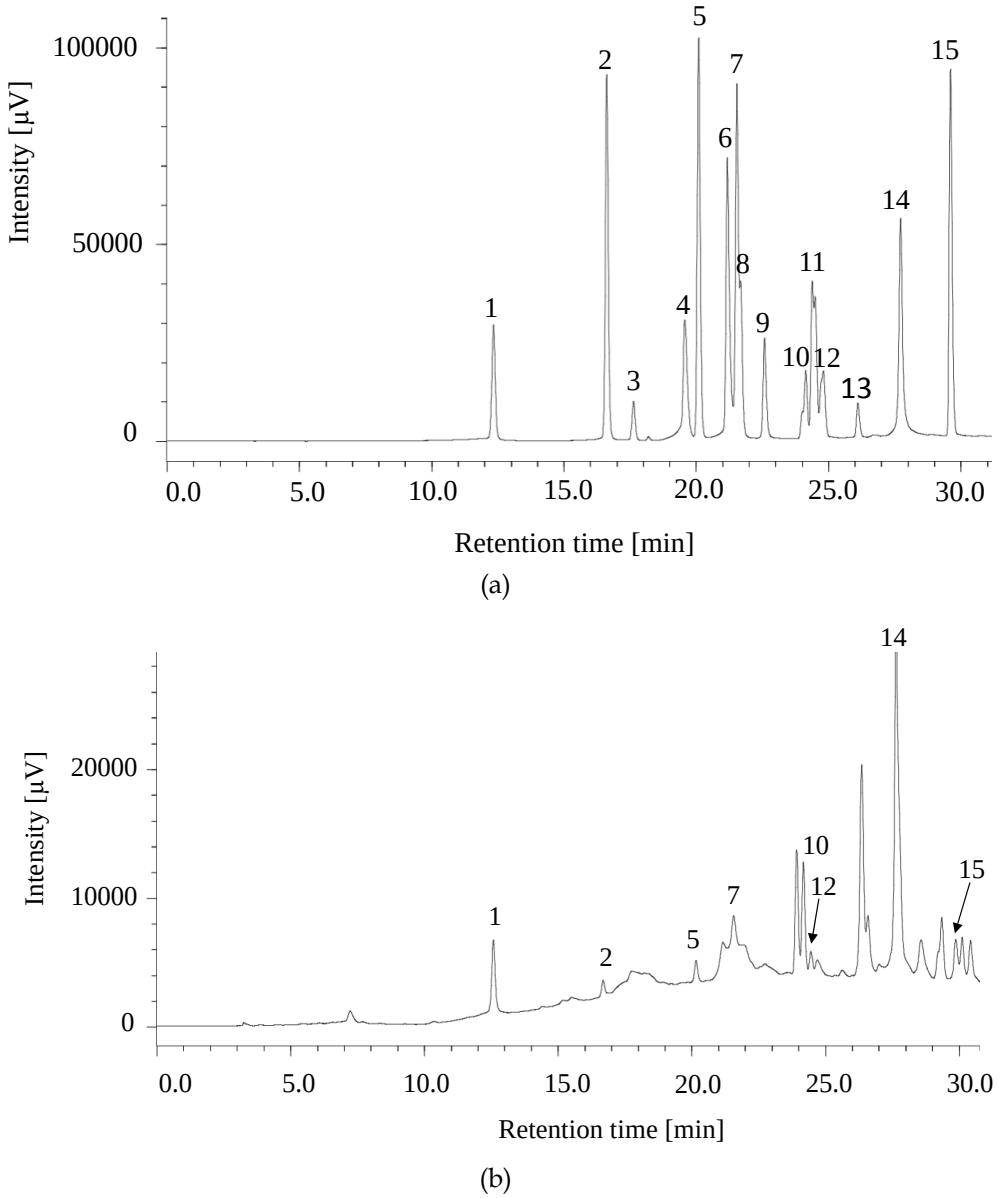
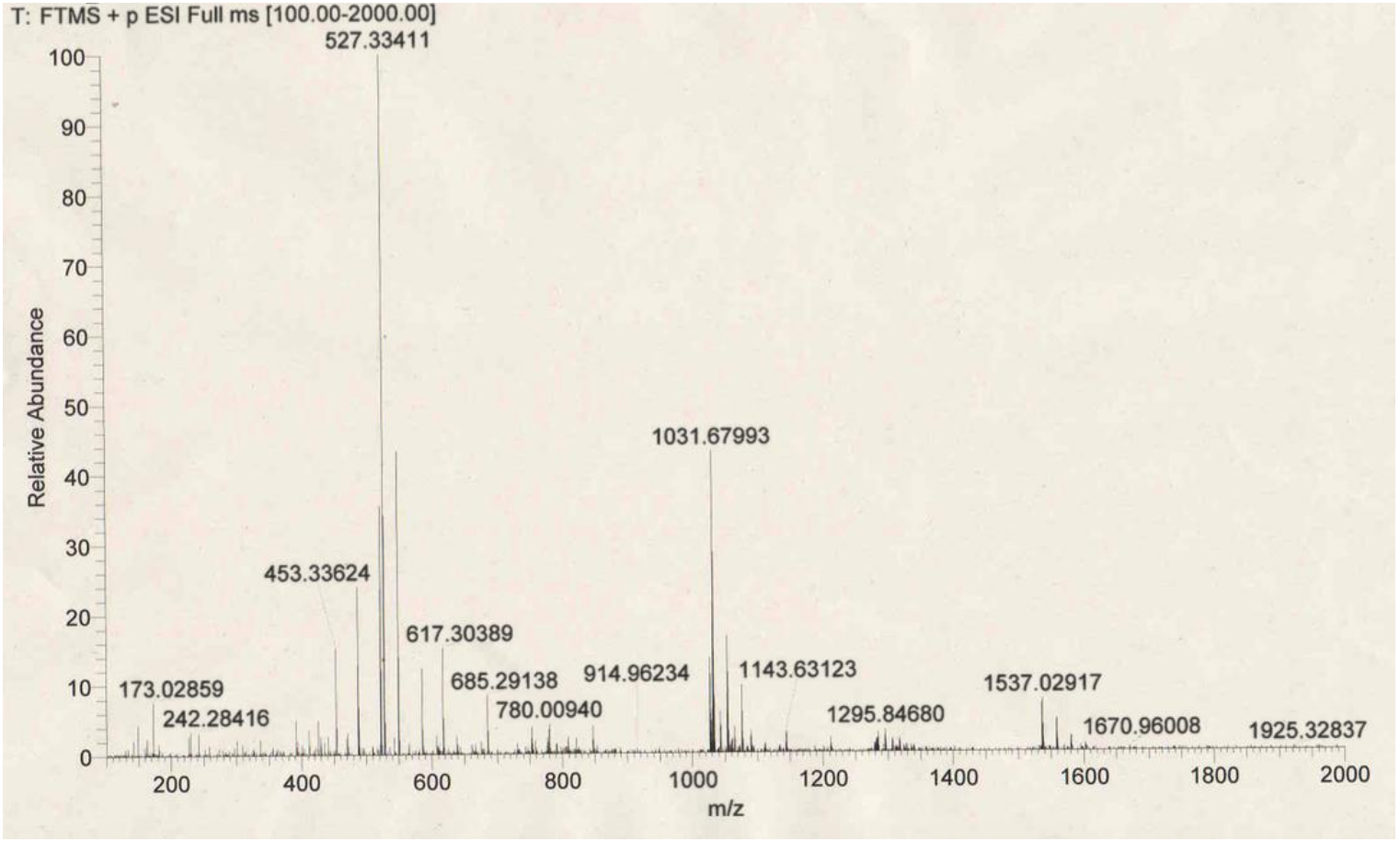


Supplement Material, Figure S1. Chromatograms of phenolic standard mixture (a) and ethyl acetate extract (b). Peaks 1: gallic acid; 2: protocatechuic acid; 3: catechol; 4: chlorogenic acid; 5: *p*-hydroxybenzoic acid; 6: vanillic acid; 7: caffeic acid; 8: syringic acid; 9: vanillin; 10: ferulic acid; 11: sinapic acid; 12: *p*-coumaric acid; 13: benzoic acid; 14: ellagic acid; 15: cinnamic acid.



Supplement Material, Figure S2. LC-MS spectrum of 2a,3b,7b,23-tetrahydroxyurs-12-ene-28-oic acid (compound **1**) in positive mode

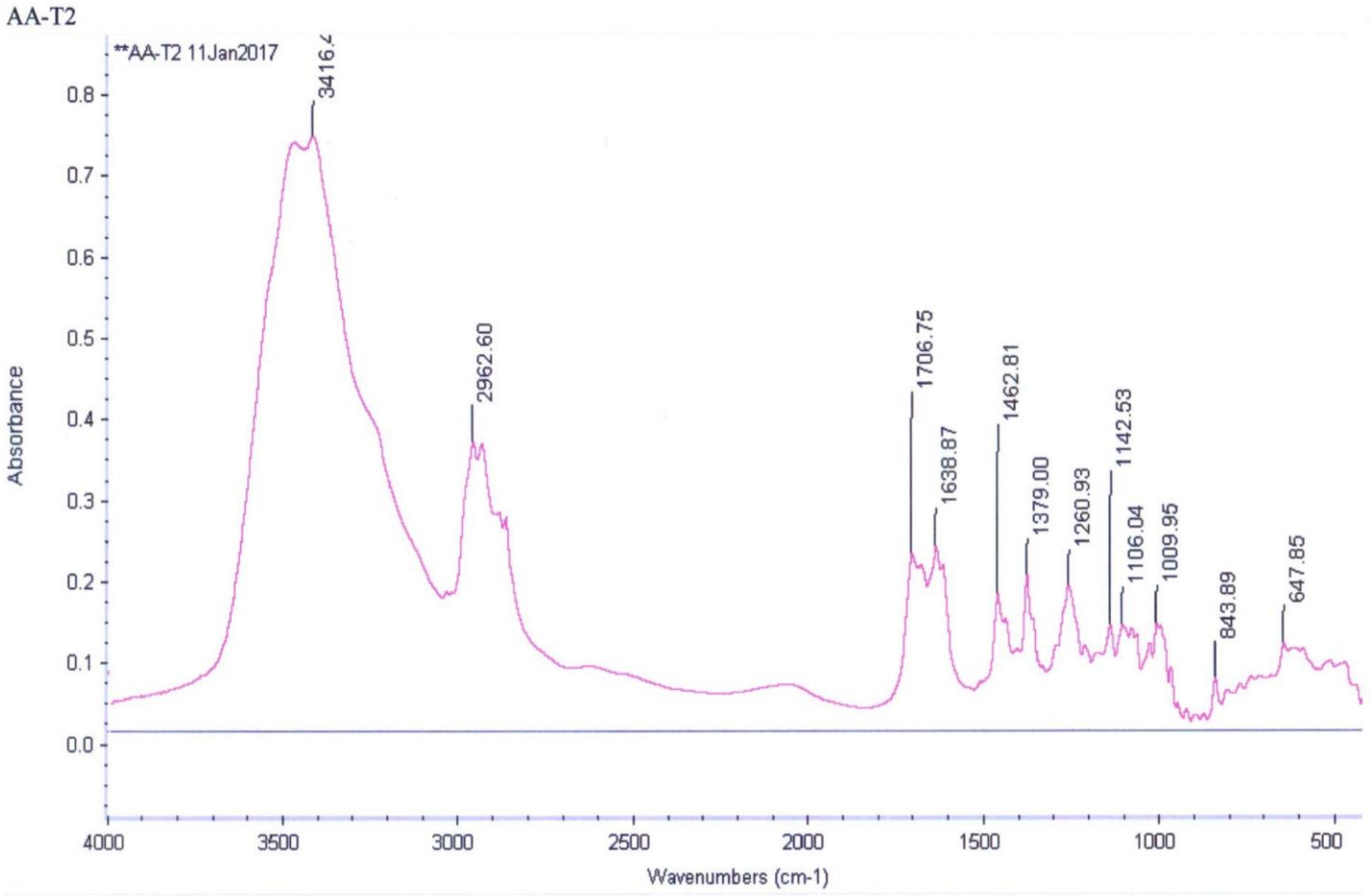
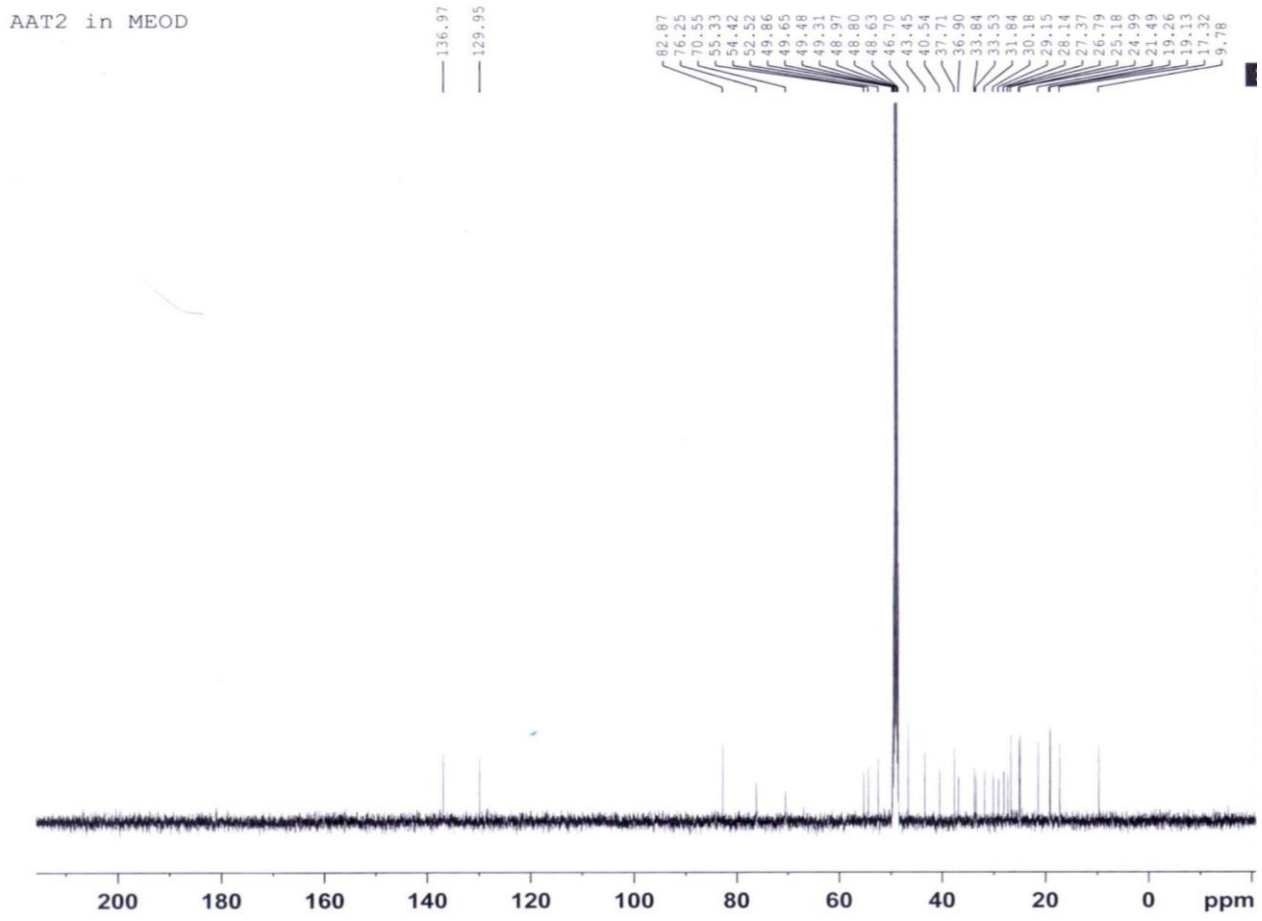
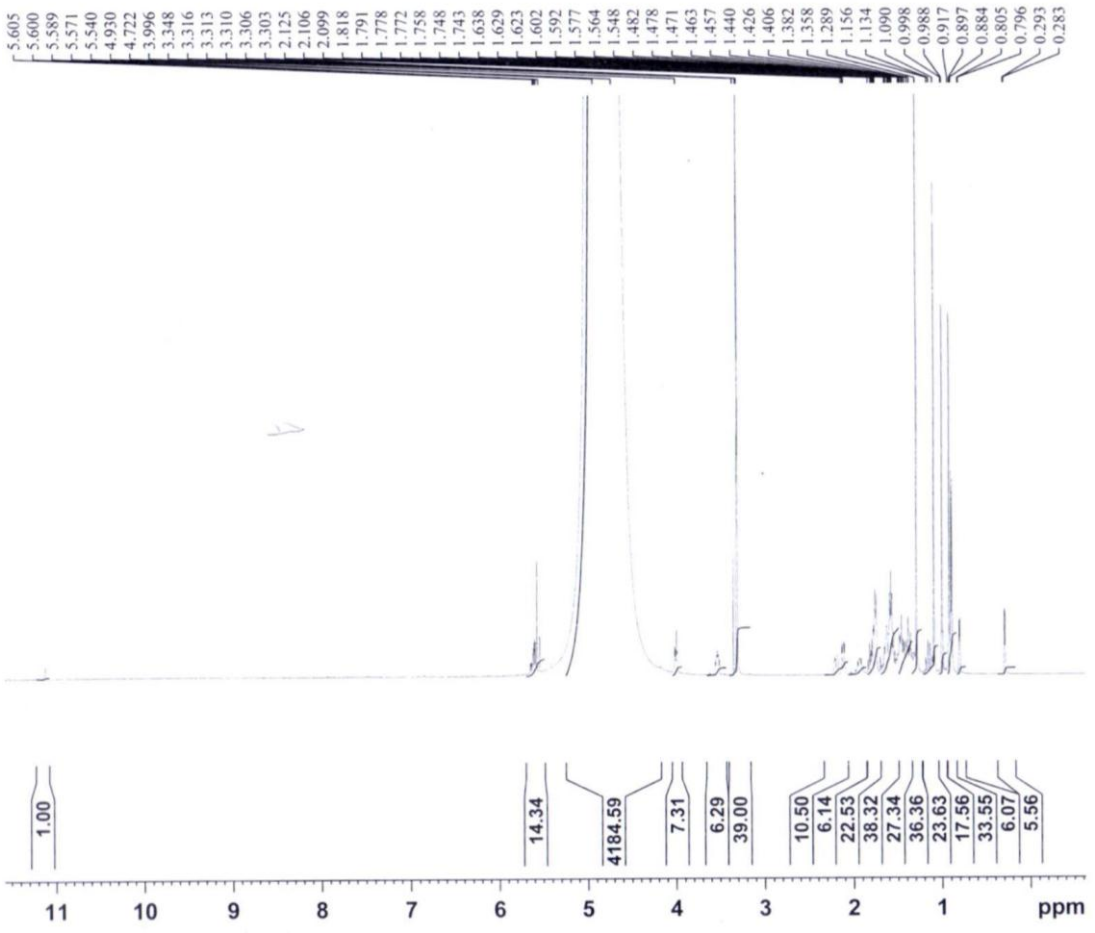


Figure AP2.

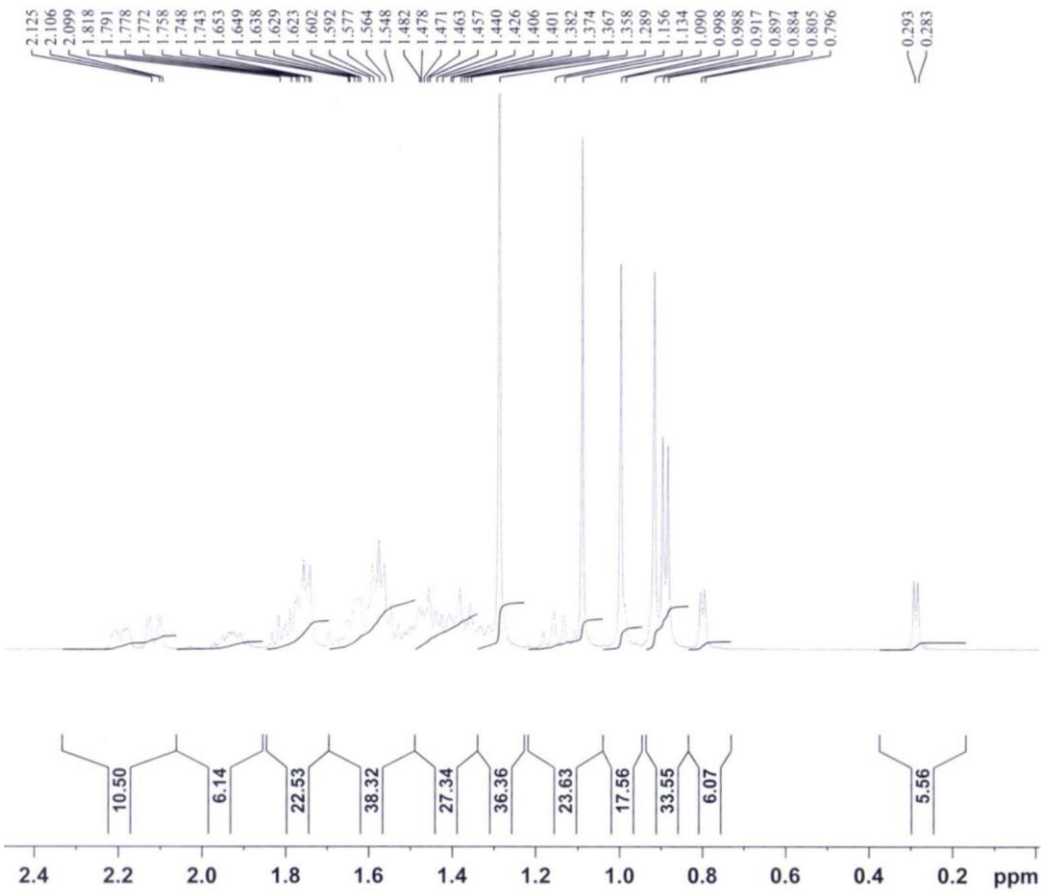
Supplement Material, Figure S3. Infrared spectrum (IR) of 2a,3b,7b,23-tetrahydroxyurs-12-ene-28-oic acid (compound **1**).



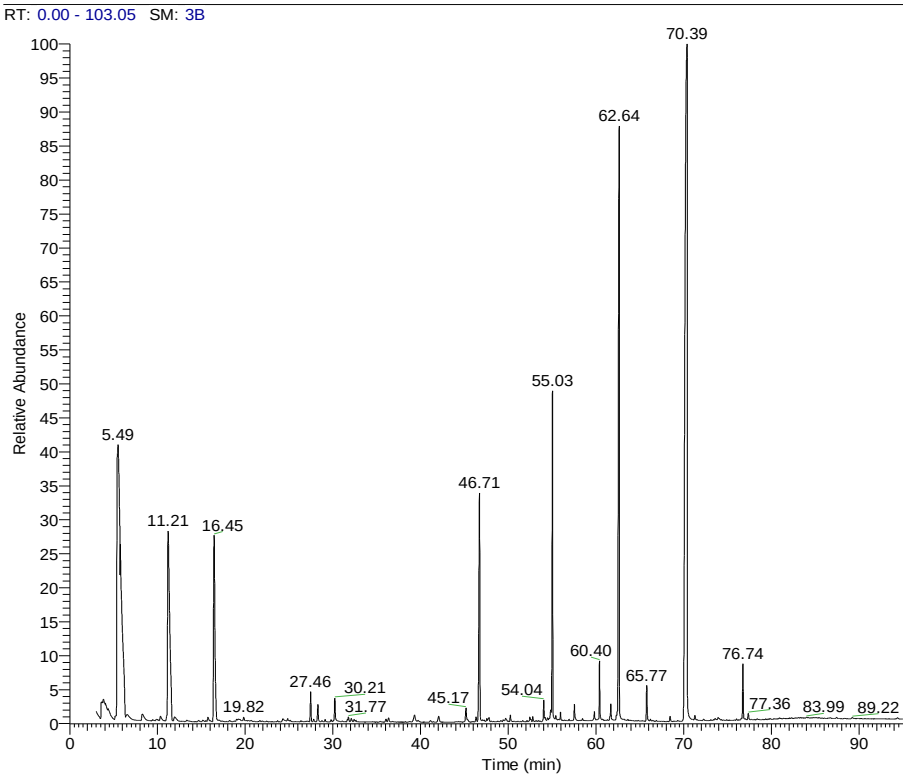
Supplement Material, Figure S4. ^{13}C NMR spectrum of 2a,3b,7b,23-tetrahydroxyurs-12-ene-28-oic acid (compound **1**) in CD_3OD



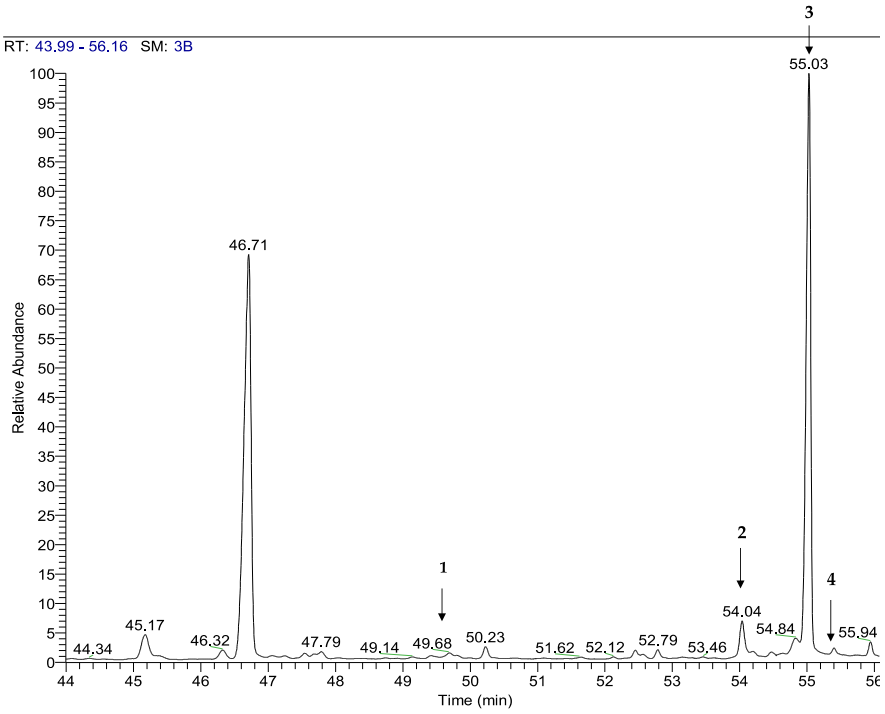
Supplement Material, Figure S5. ^{1}H NMR spectrum of 2a,3b,7b,23-tetrahydroxyurs-12-ene-28-oic acid (compound **1**) from 1–10 ppm



Supplement Material, Figure S6. ^{1}H NMR spectrum of (2a,3b,7b,23-tetrahydroxyurs-12-ene-28-oic acid (compound **1**) expansion of the signal from 0.2–2.4 ppm in CD_3OD



(a)



(b)

Supplement Material, Figure S7. GC-MS Chromatogram of *C. crenata* ethyl acetate leaf extract (a) from 0 to 90 (min), and (b) from 44 to 56 (min). Peak **1**: Protocatechuic acid; **2**: *p*-hydrobenzoic acid; **3**: Gallic acid; **4**: Caffeic acid.