

NMR-Based Metabolomic Screening for Metabolites Associated with Resistance to *Meloidogyne javanica* in *Annona muricata* Roots

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Liquid chromatography-mass spectrometry (LC-MS) analysis

Spectra were acquired on a Shimadzu LCMS-IT-TOF system. The mass spectrometer was equipped with an atmospheric pressure chemical ionization (APCI) source operating in both the negative and positive modes. Detector voltage, 1.70 kV; interface temperature: 400 °C; curved desolvation line (CDL) temperature, 250 °C; block heater temperature, 200 °C; nebulizing gas flow (N₂), 2.5 L min⁻¹. Analyses were carried out using manual injection. The samples were dissolved in MeOH.

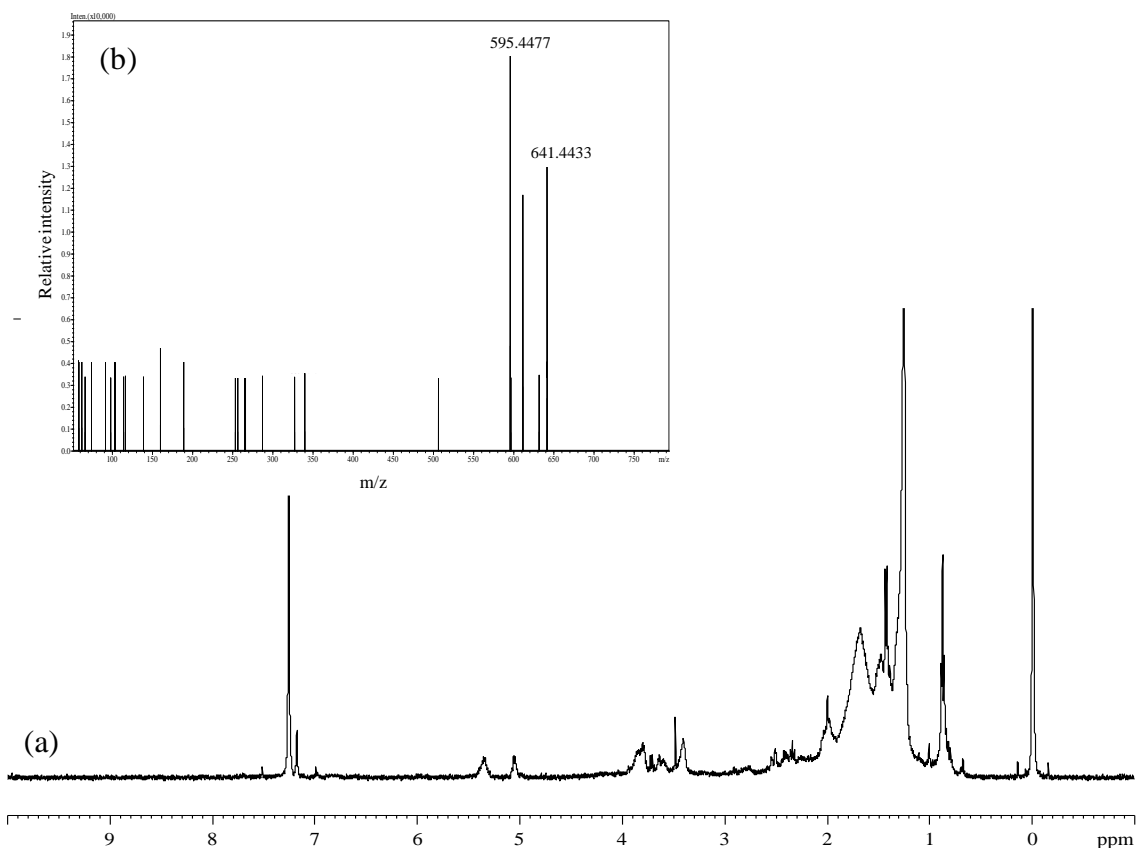


Figure S1. (a) Typical ^1H NMR spectrum of the chloroform extract of *A. muricata* root (400 MHz, CDCl_3); (b) HR-APCIMS (negative-ion mode) spectrum of the chloroform extract of *A. muricata* root.