Supporting Information

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Antibacterial triterpenoids from *Melia toosendan*

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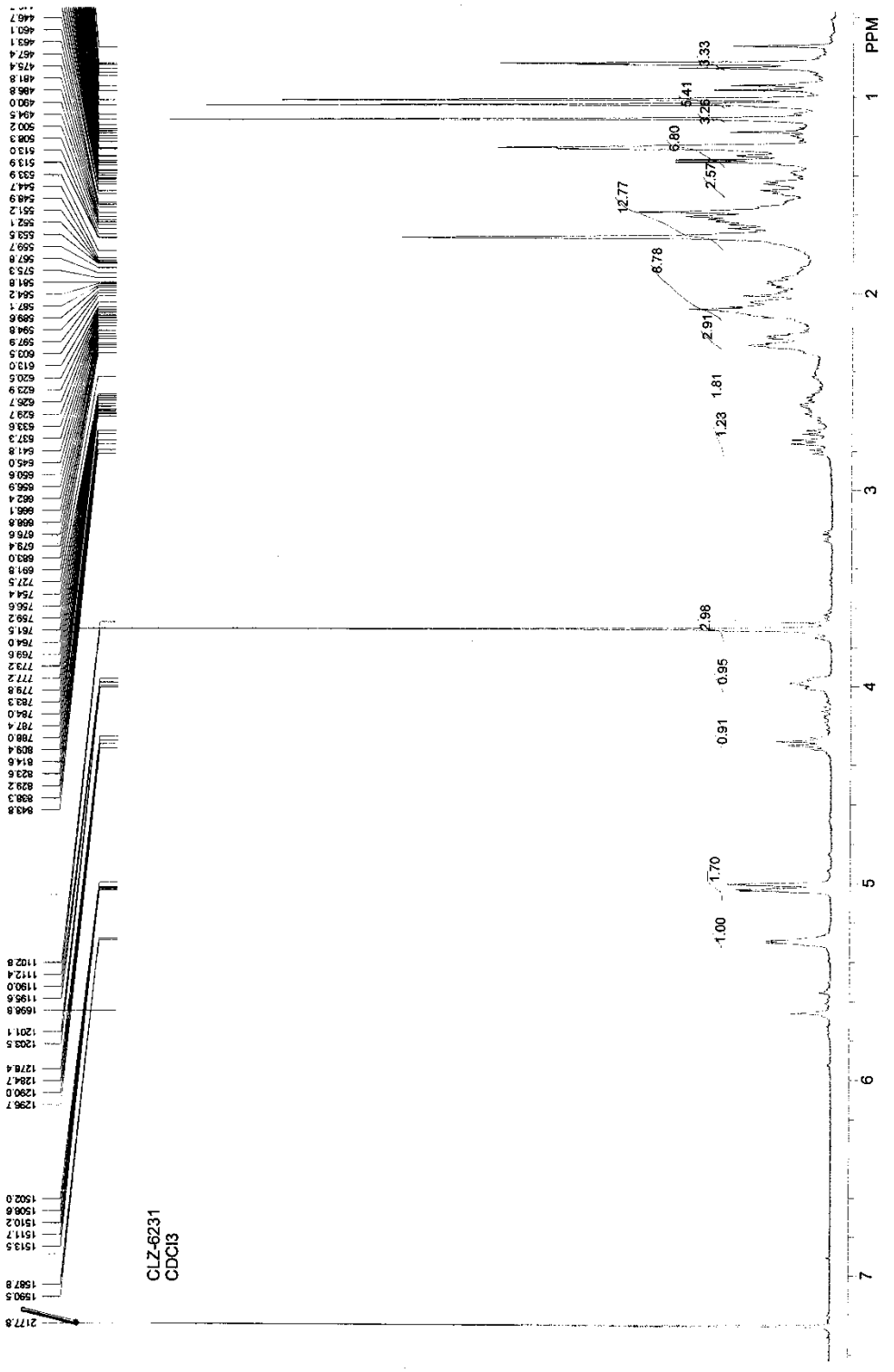
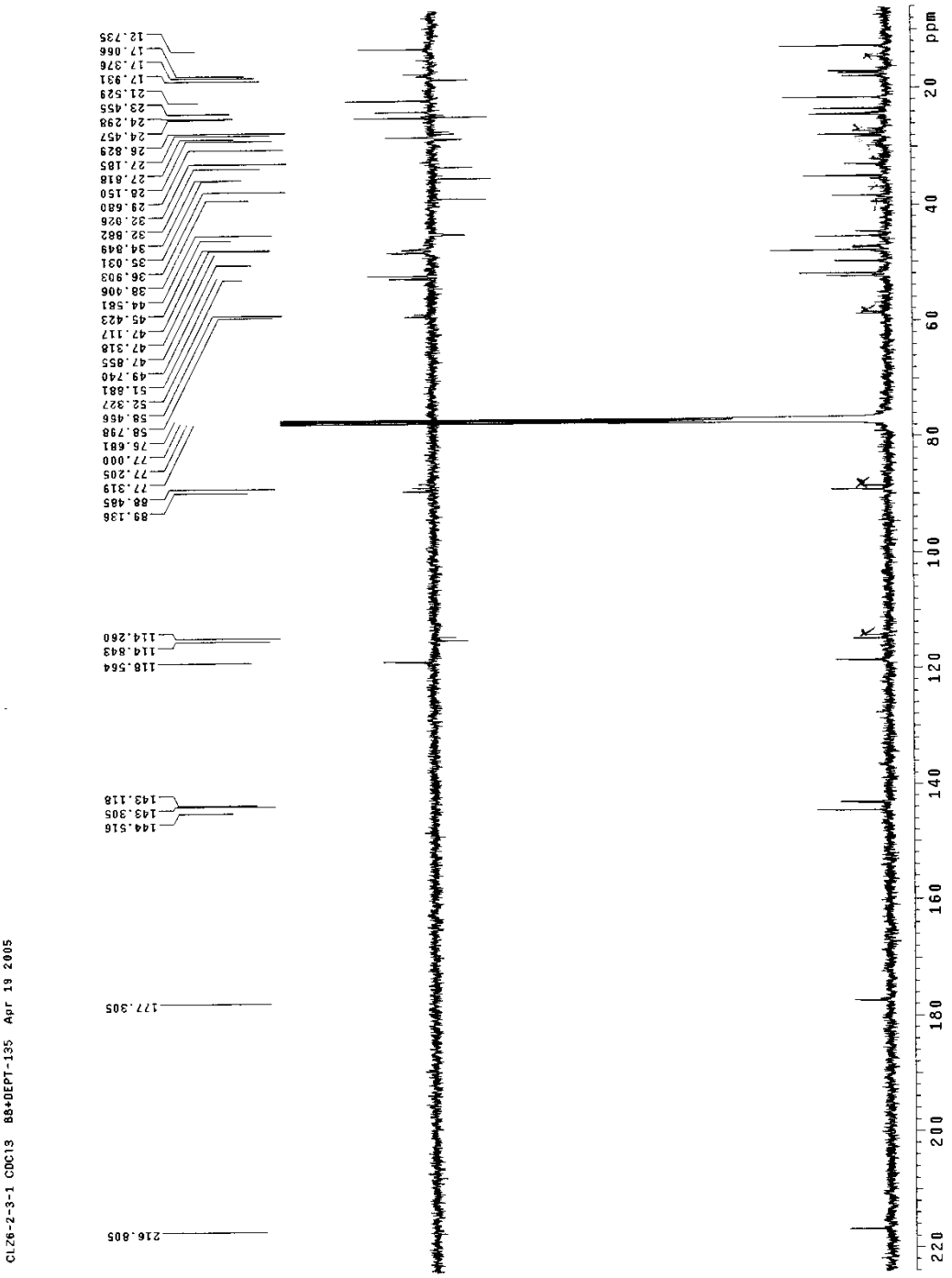
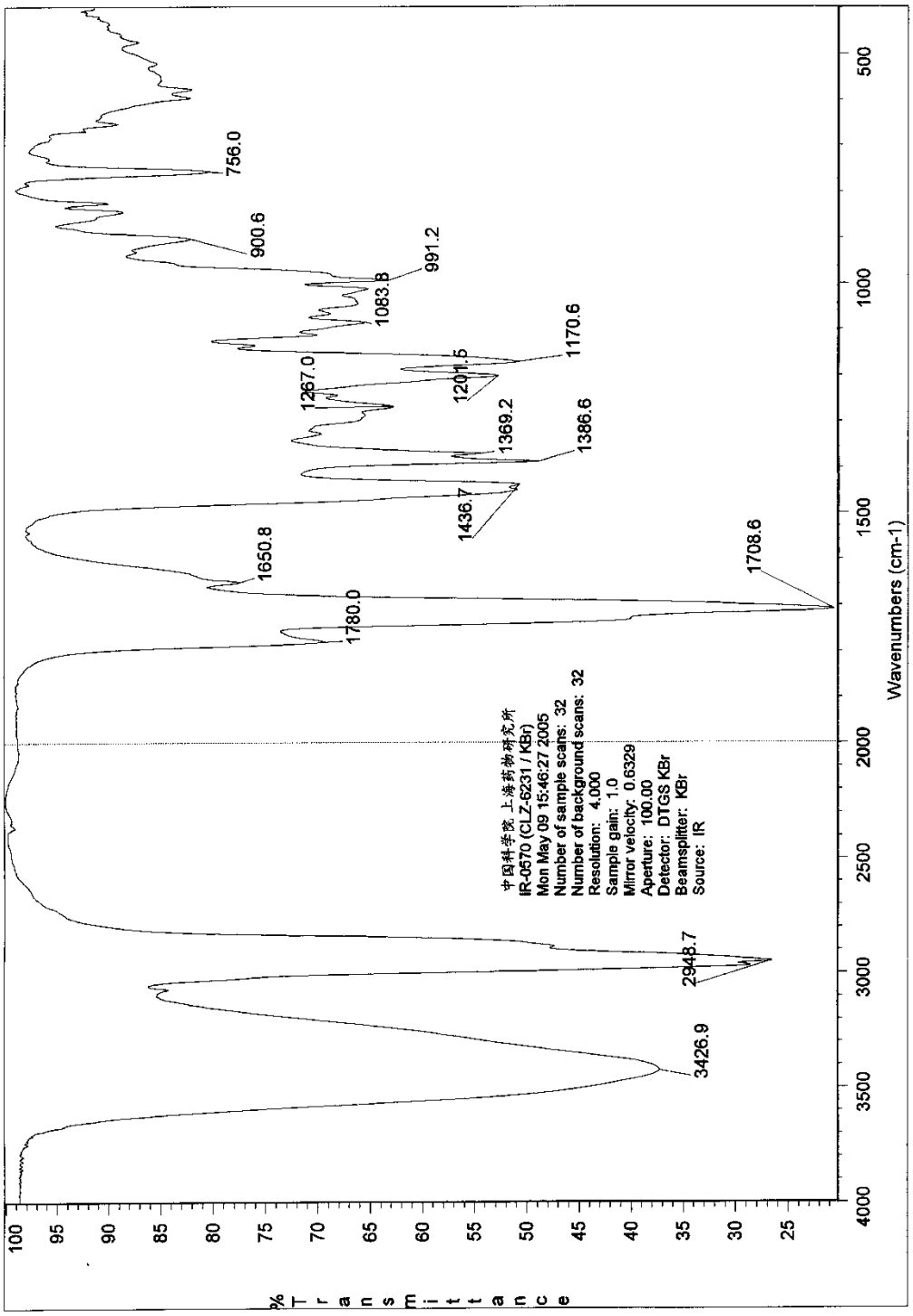


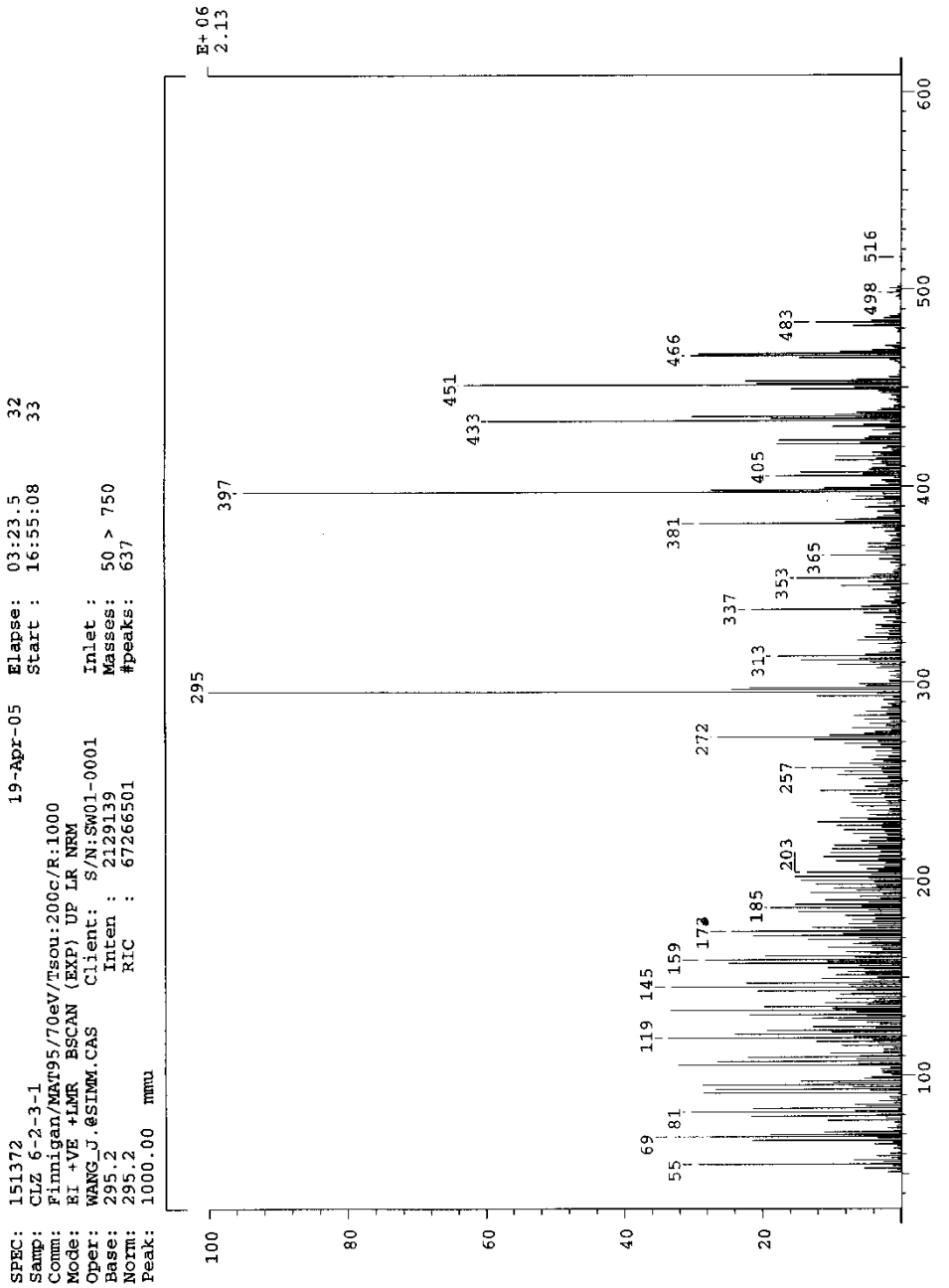
S1: ^{1}H NMR spectrum of Compound **1**: toosendanin A



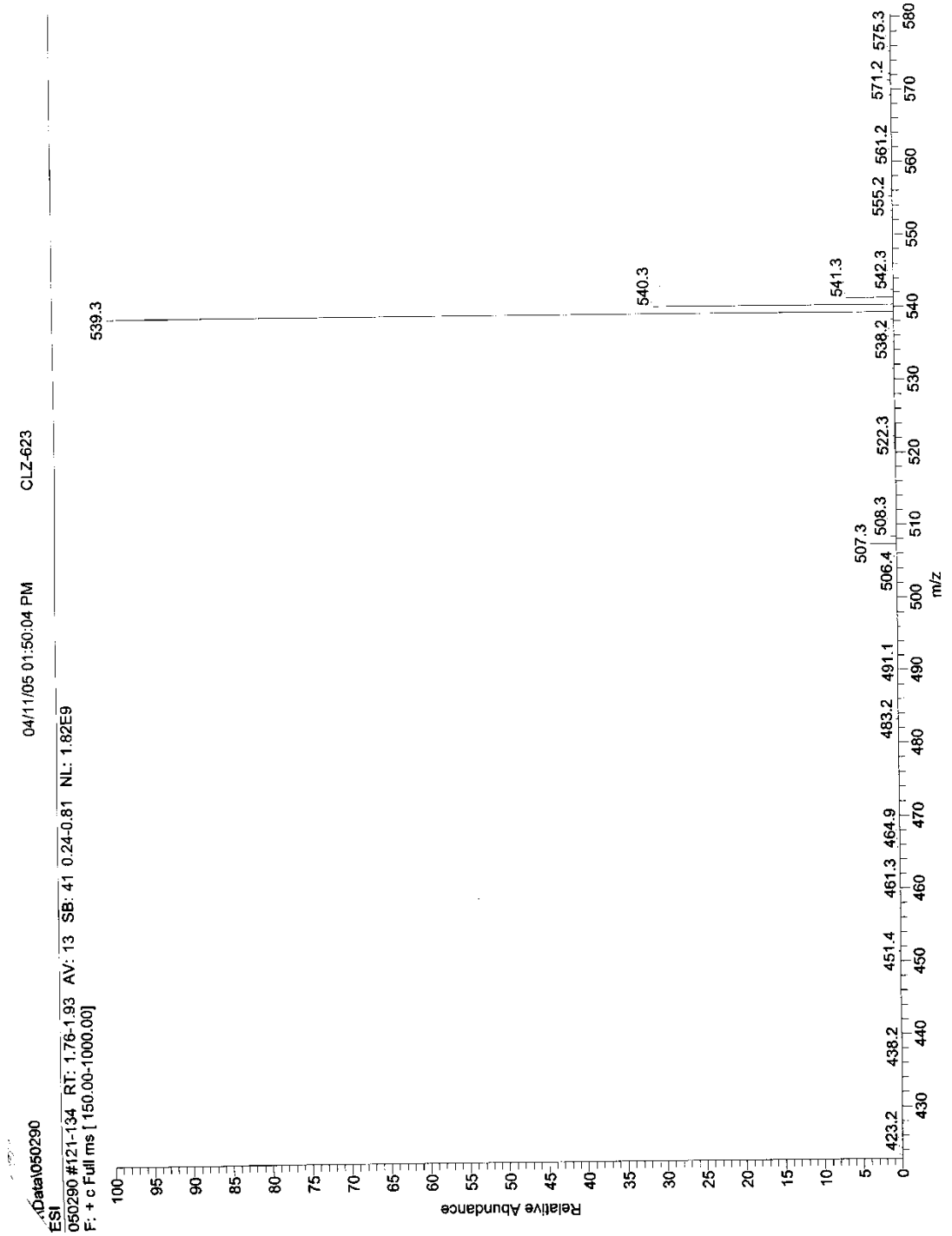
S2: ^{13}C NMR and DEPT-135 spectra of Compound **1**: toosendanin A



S3: IR spectrum of Compound **1**: toosendanin A



S4: EIMS spectrum of Compound **1**: toosendanin A

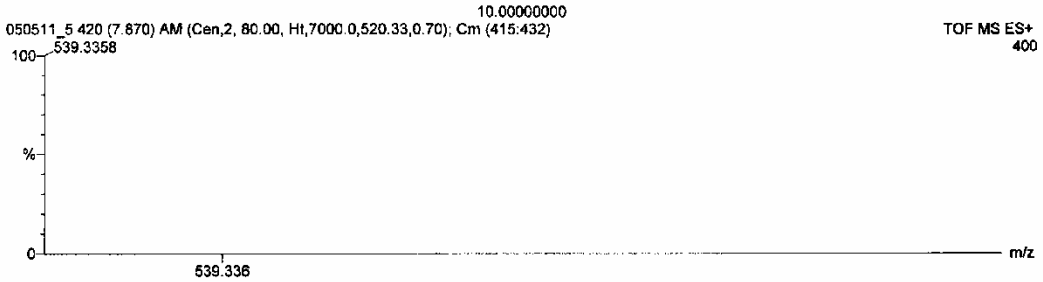


S5: ESIMS spectrum of Compound **1**: toosendanin A

Elemental Composition Report

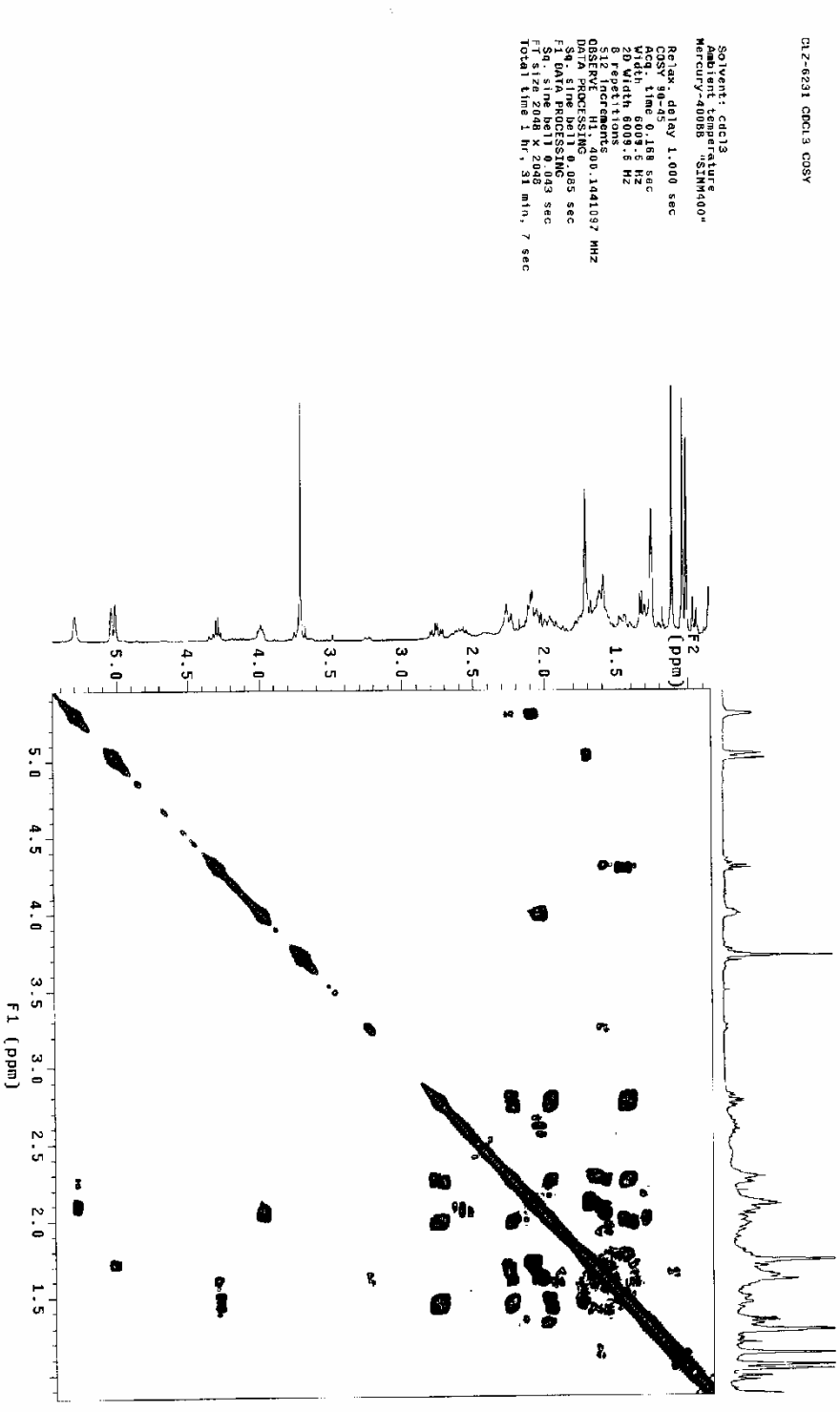
Tolerance = 100.0 PPM / DBE: min = -1.5, max = 100.0
Isotope cluster parameters: Separation = 1.0 Abundance = 1.0%

Monoisotopic Mass, Odd and Even Electron Ions
12 formula(e) evaluated with 1 results within limits (up to 20 closest results for each mass)

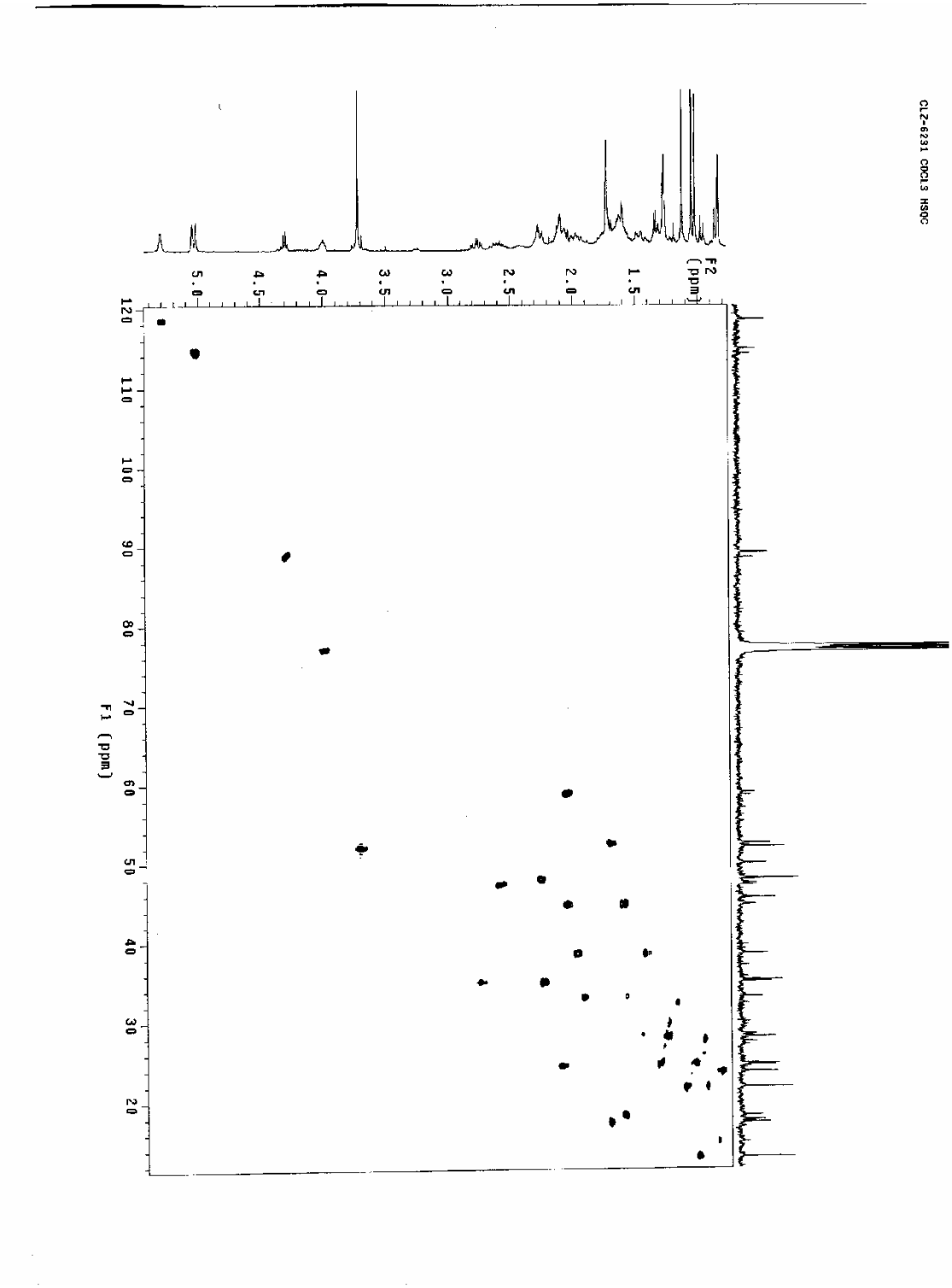


Minimum:				-1.5		
Maximum:		200.0	100.0	100.0		
Mass	Calc. Mass	mDa	PPM	DBE	Score	Formula
539.3358	539.3349	0.9	1.7	7.5	1	C31 H48 O6 Na

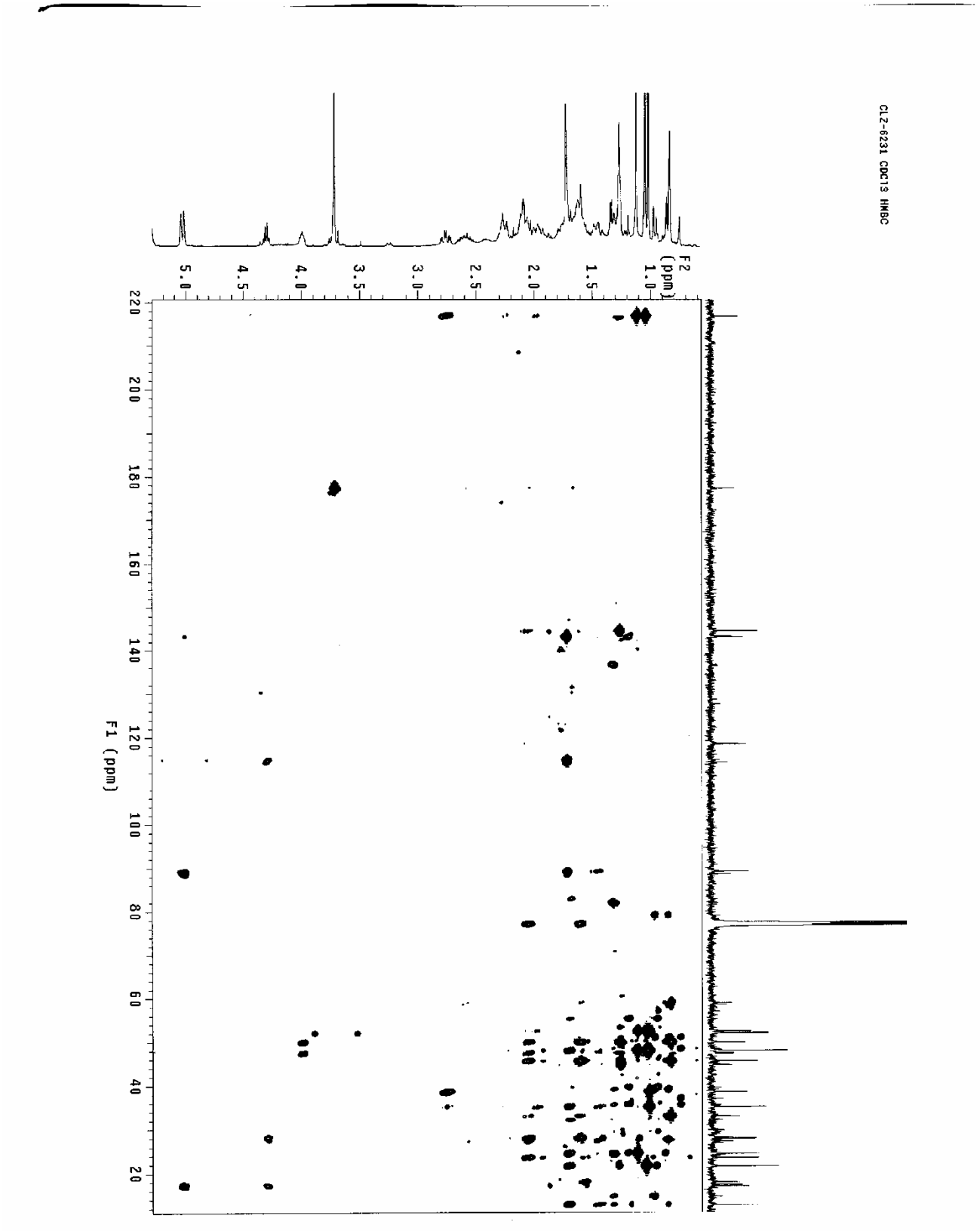
S6: HRESIMS spectrum of Compound **1**: toosendanin A



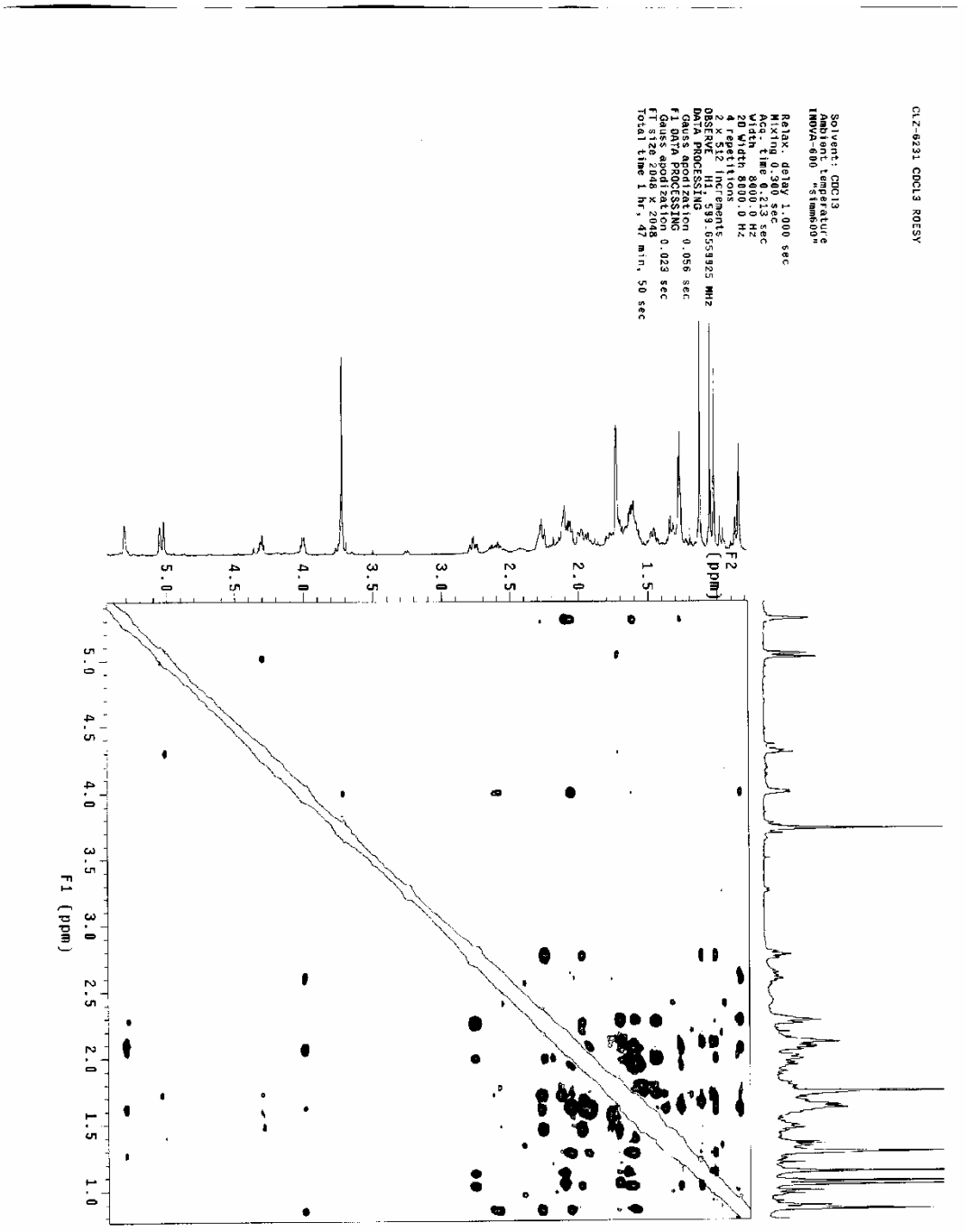
S7: ^{1}H-^{1}H COSY spectrum of Compound **1**: toosendanin A



S8: HMQC spectrum of Compound **1**: toosendanin A



S9: HMBC spectrum of Compound **1**: toosendanin A



S10: ROESY spectrum of Compound **1**: toosendanin A

S11: General experimental procedures

Optical rotations were taken on a Perkin-Elmer 341 polarimeter. IR spectra were recorded on Nicolet Magna FT-IR 750 spectrophotometer. ^{1}H NMR and ^{13}C NMR spectra were recorded on Bruker AM-400 NMR spectrometer. The chemical shift (δ) values are in ppm with TMS as internal standard, and coupling constants (J) are given in Hz. EI-MS spectra were recorded on Finnigan MAT95 spectrometer. ESI-MS and HRESI-MS spectra were recorded on Micromass Q-TOF mass spectrometer (Waters). Silica gel used for flash chromatography was produced by Qingdao Marine Chemical Industrials. TLC was carried out on GF254 pre-coated glass sheets (Yantai Jiangyou Silica Gel Development Co. Ltd.); spots were viewed at UV 254 nm and indicated by 5% sulfuric acid in alcohol containing 10mg/mL Vanillin.