

Supporting Information to

Secondary metabolites from *Lobaria pulmonaria* (L.) Hoffm. target key metabolic enzymes: A novel strategy against multidrug-resistant tuberculosis

Results

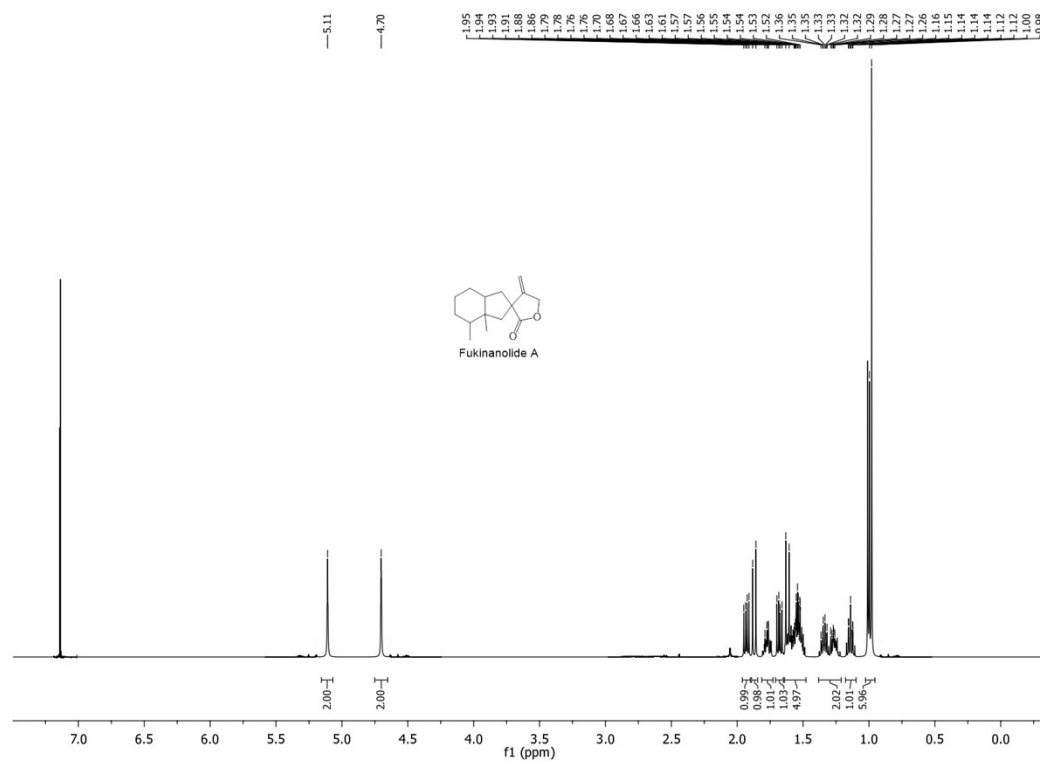


Fig. S1 Proton NMR of fukinanolide A (CDCl₃, 400 MHz).

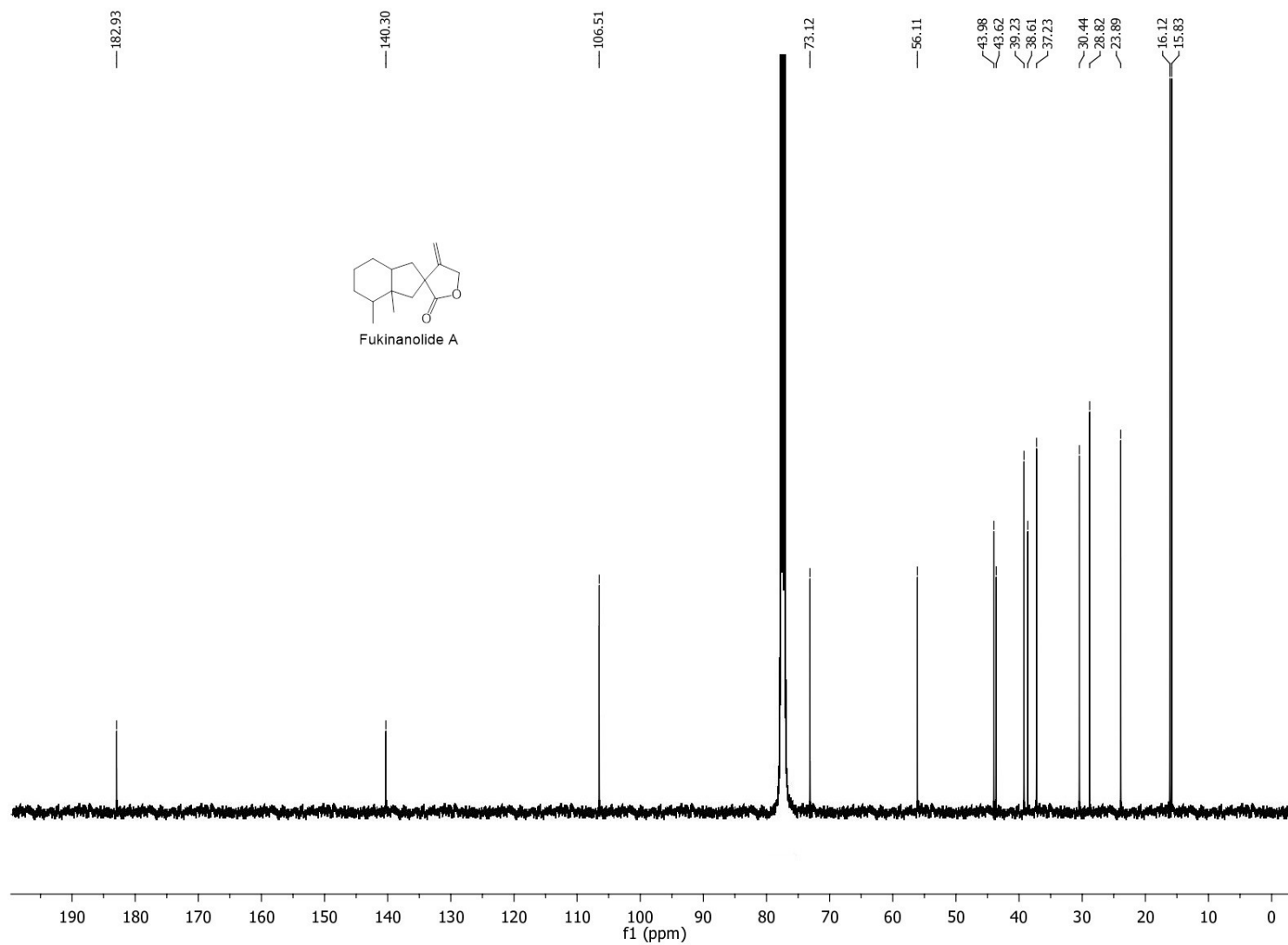


Fig. S2 ¹³C NMR of fukinanolide A (CDCl₃, 400 MHz).

T: FTMS {1,1} + p ESI Full ms [75.00-1500.00]

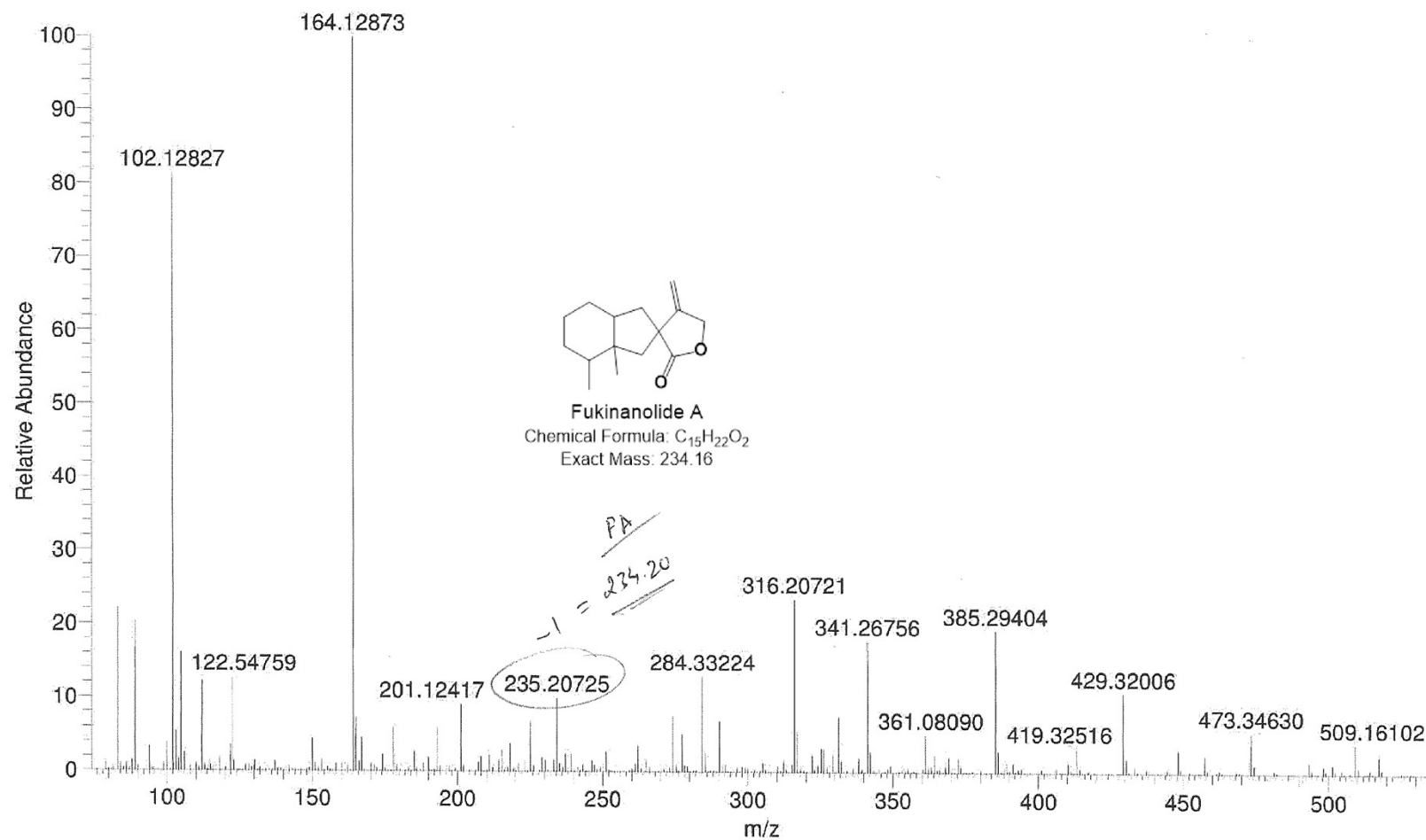


Fig. S3 ESI-MS of fukinanolide A (positive mode).

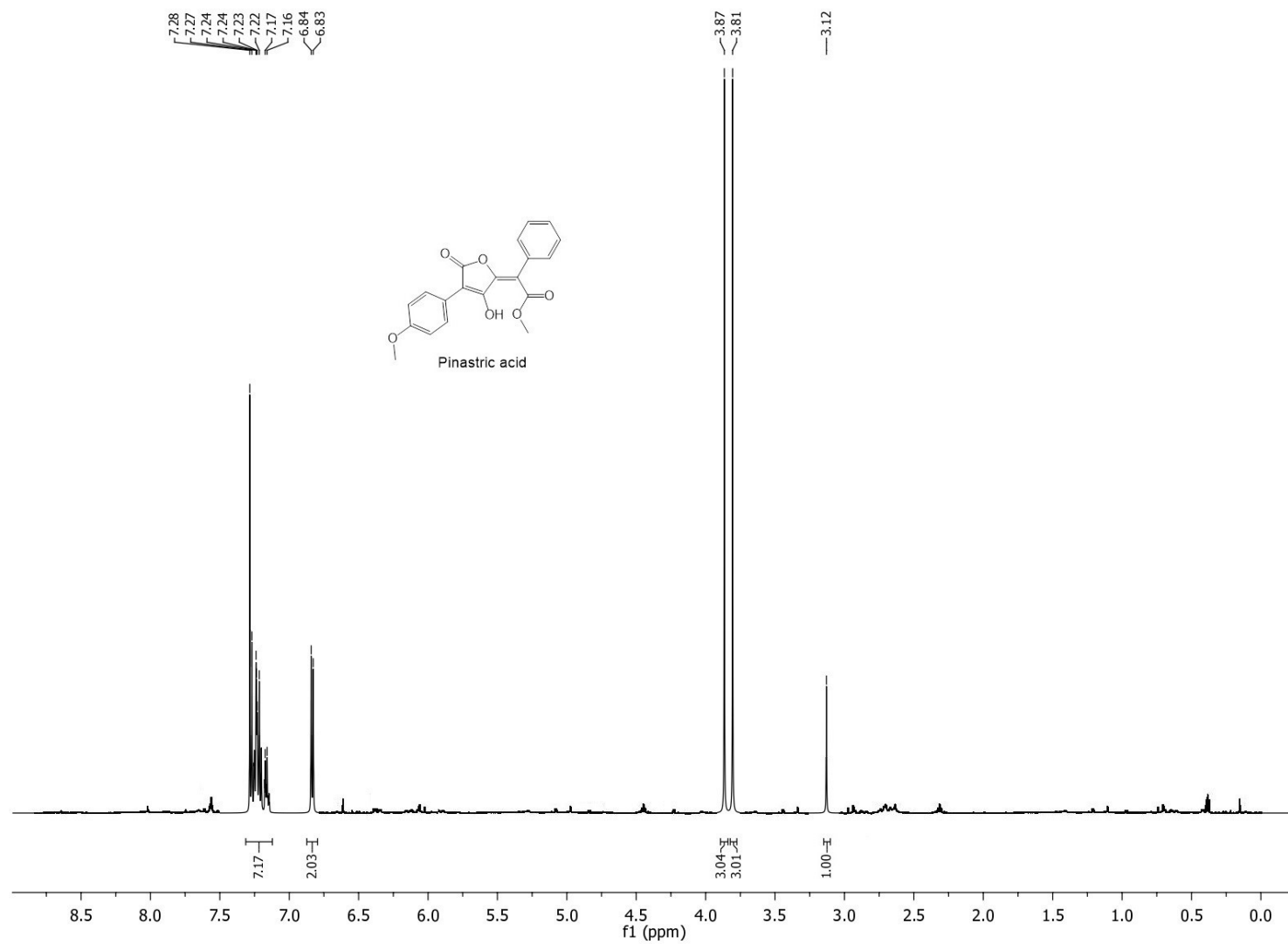


Fig. S4A Proton NMR of pinastric acid (CDCl_3 , 400 MHz).

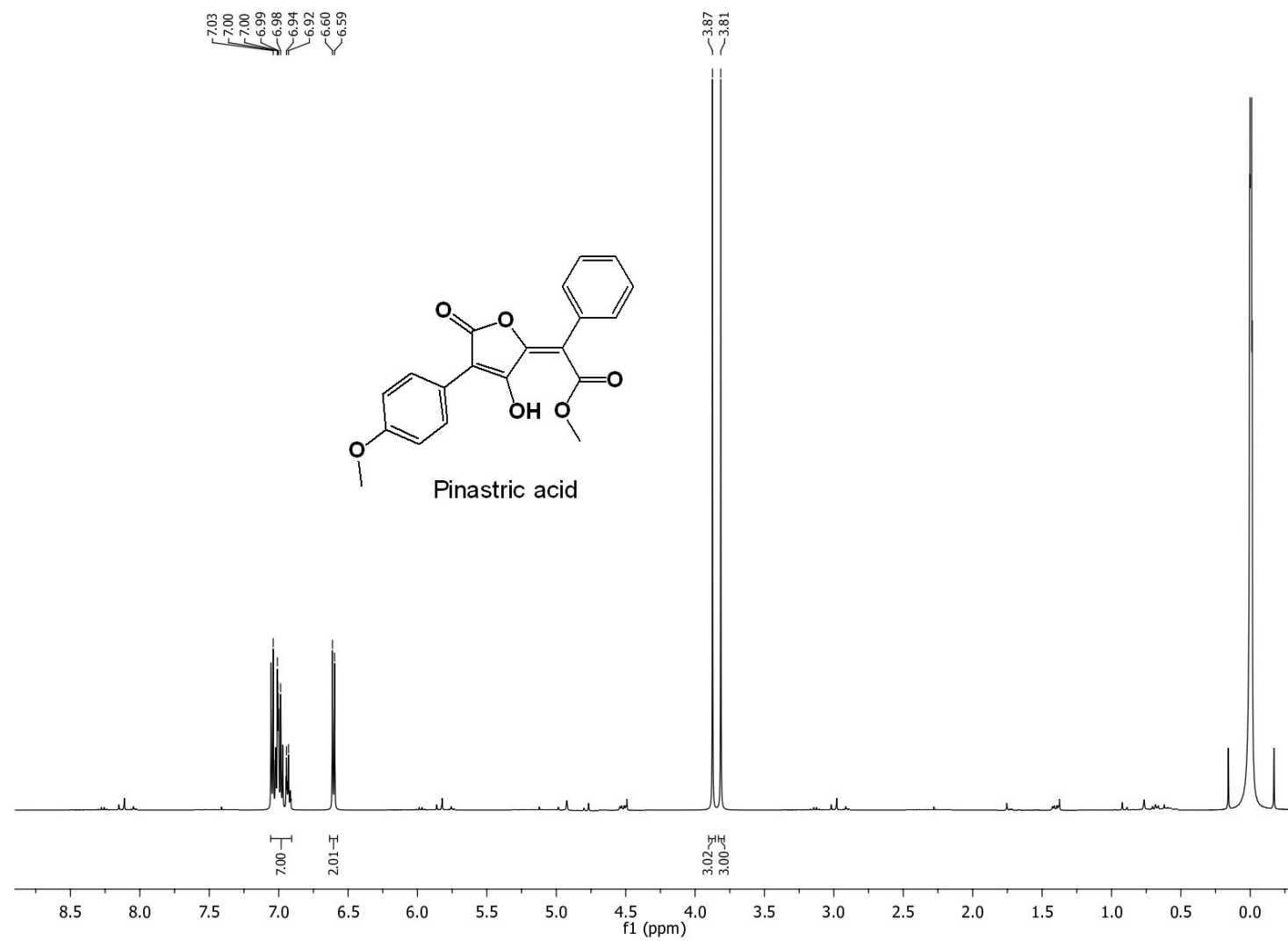


Fig. S4B Proton NMR of pinastric acid (D₂O, 400 MHz).

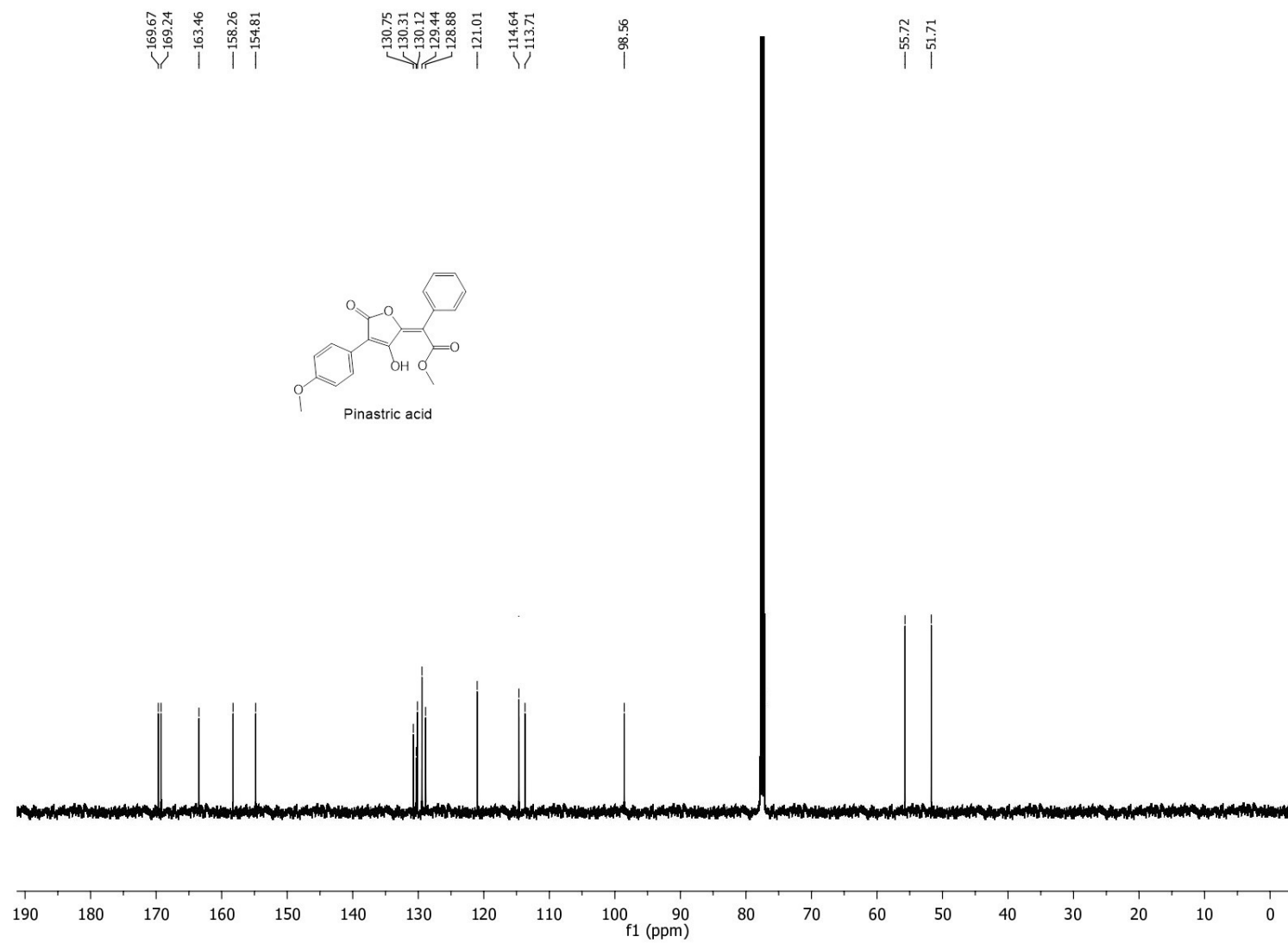


Fig. S5 ^{13}C NMR of pinastric acid (CDCl₃, 400 MHz).

Averaged ESI-
Spectrum Mode: Averaged 0.190-0.429 (92-207)
[CPS]

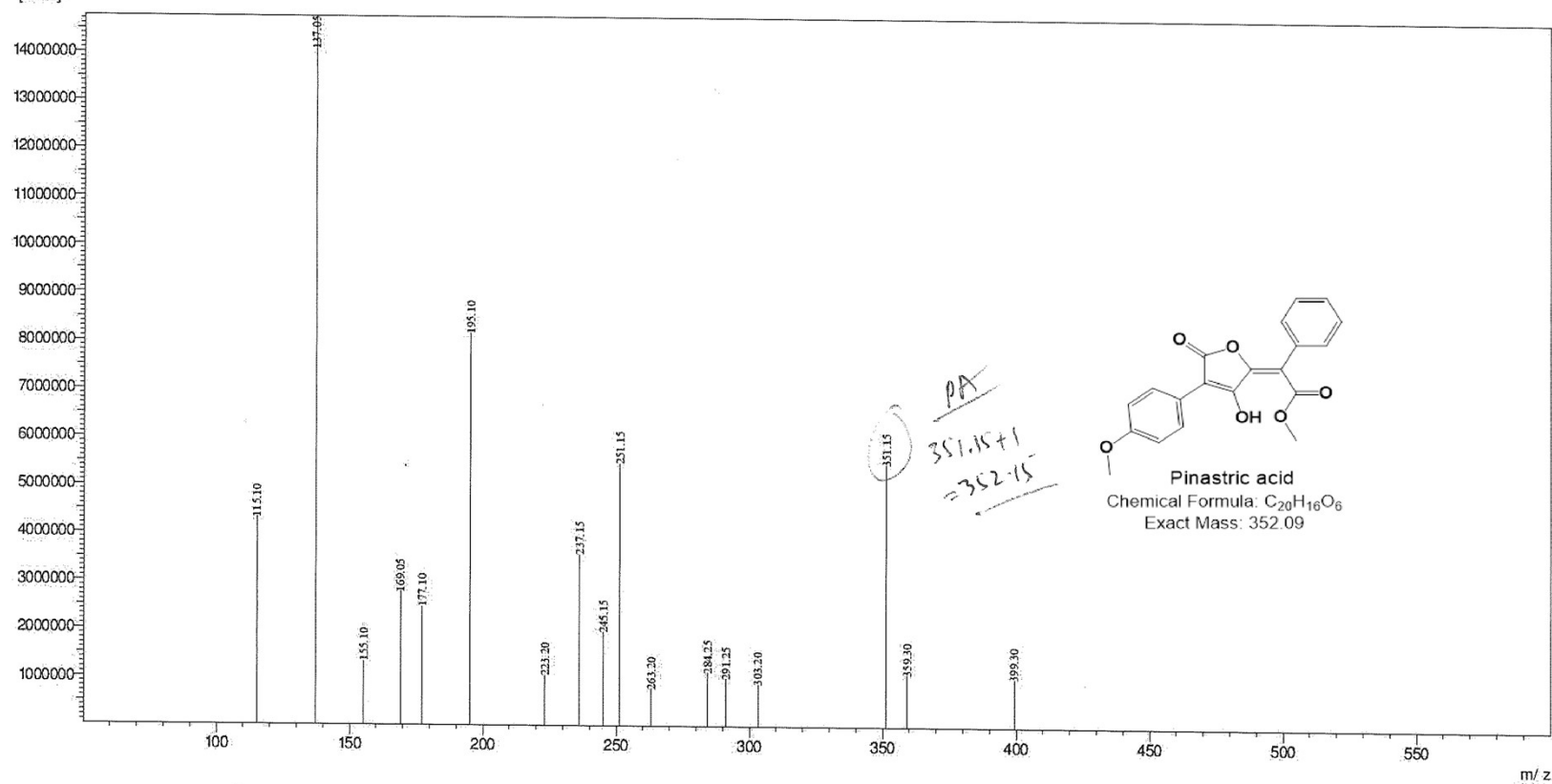


Fig. S6 ESI-MS of pinastric acid (negative mode).

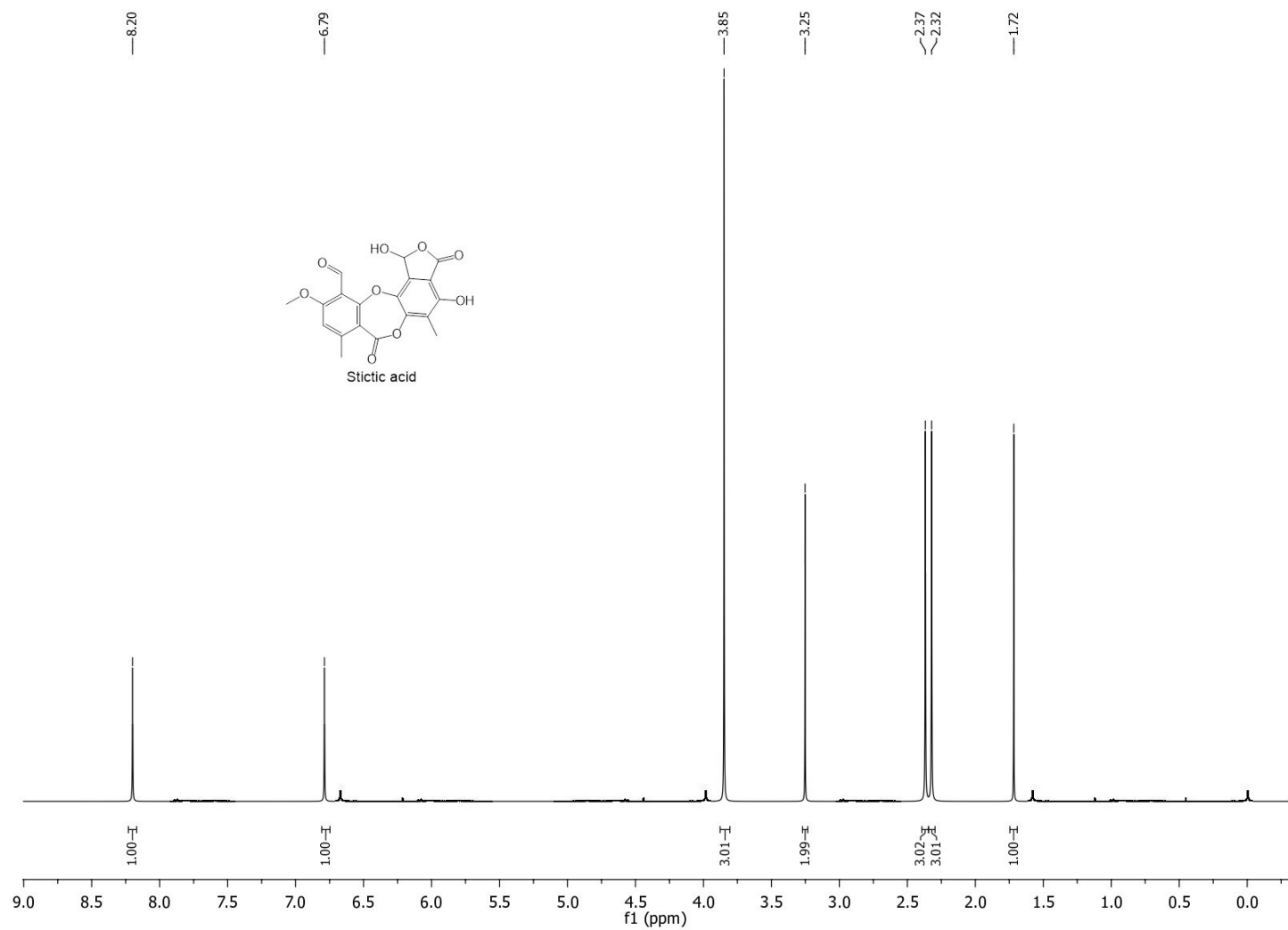


Fig. S7A Proton NMR of stictic acid (DMSO- d_6 , 400 MHz).

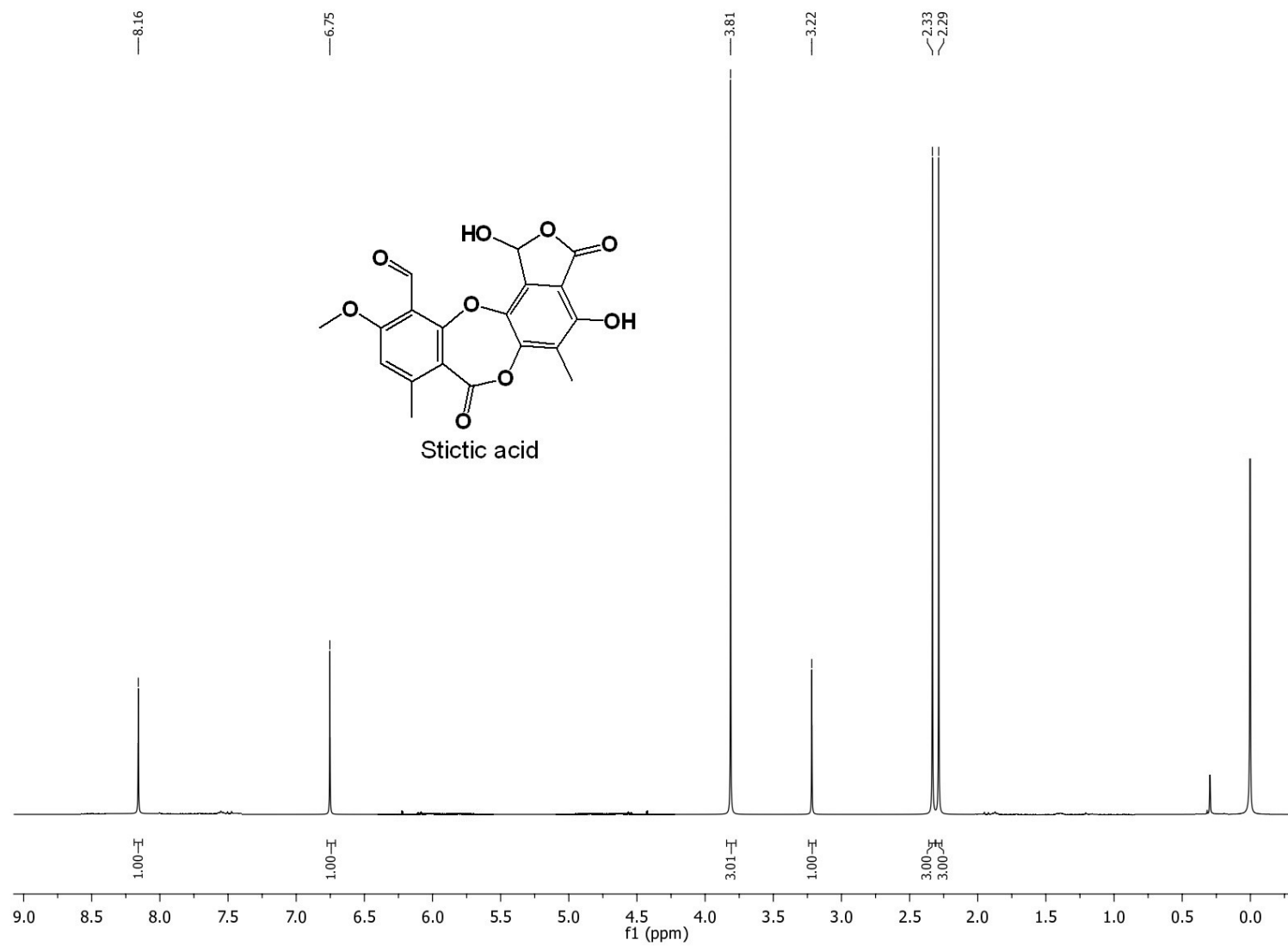


Fig. S7B Proton NMR of stictic acid (D₂O, 400 MHz).

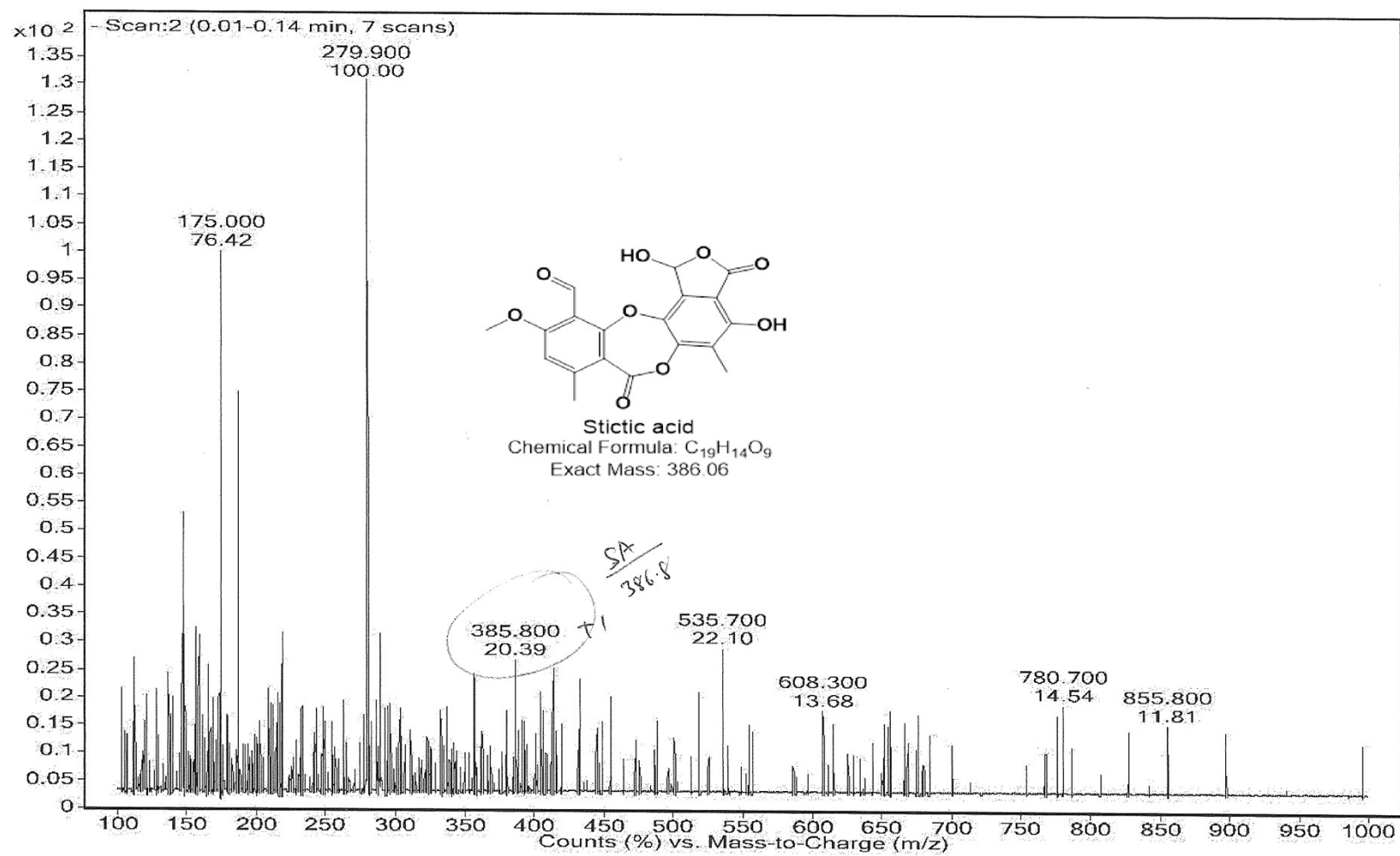


Fig. S9 ESI-MS of stictic acid (negative mode).

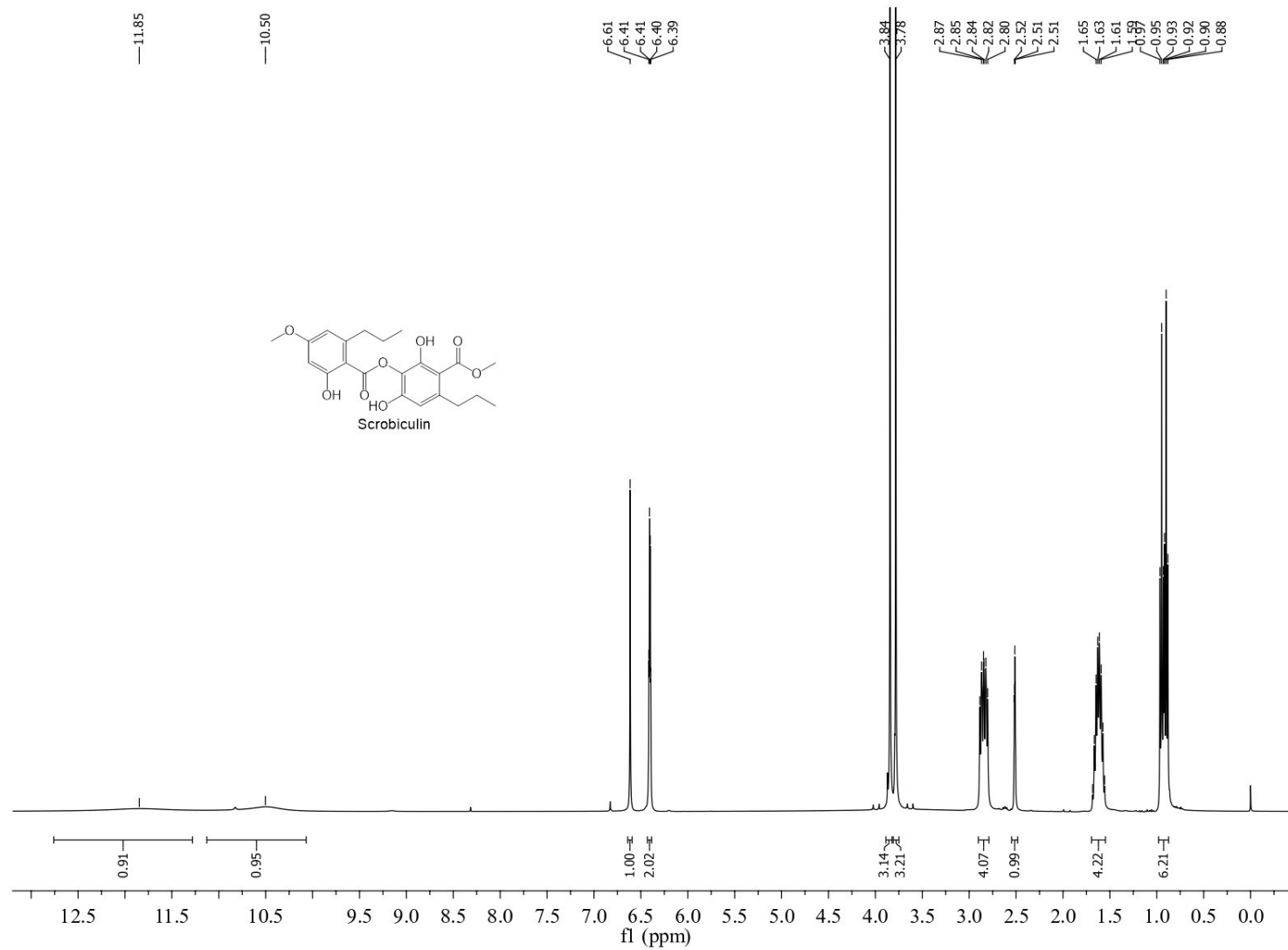


Fig. S10A Proton NMR of scrobiculin (DMSO- d_6 , 400 MHz).

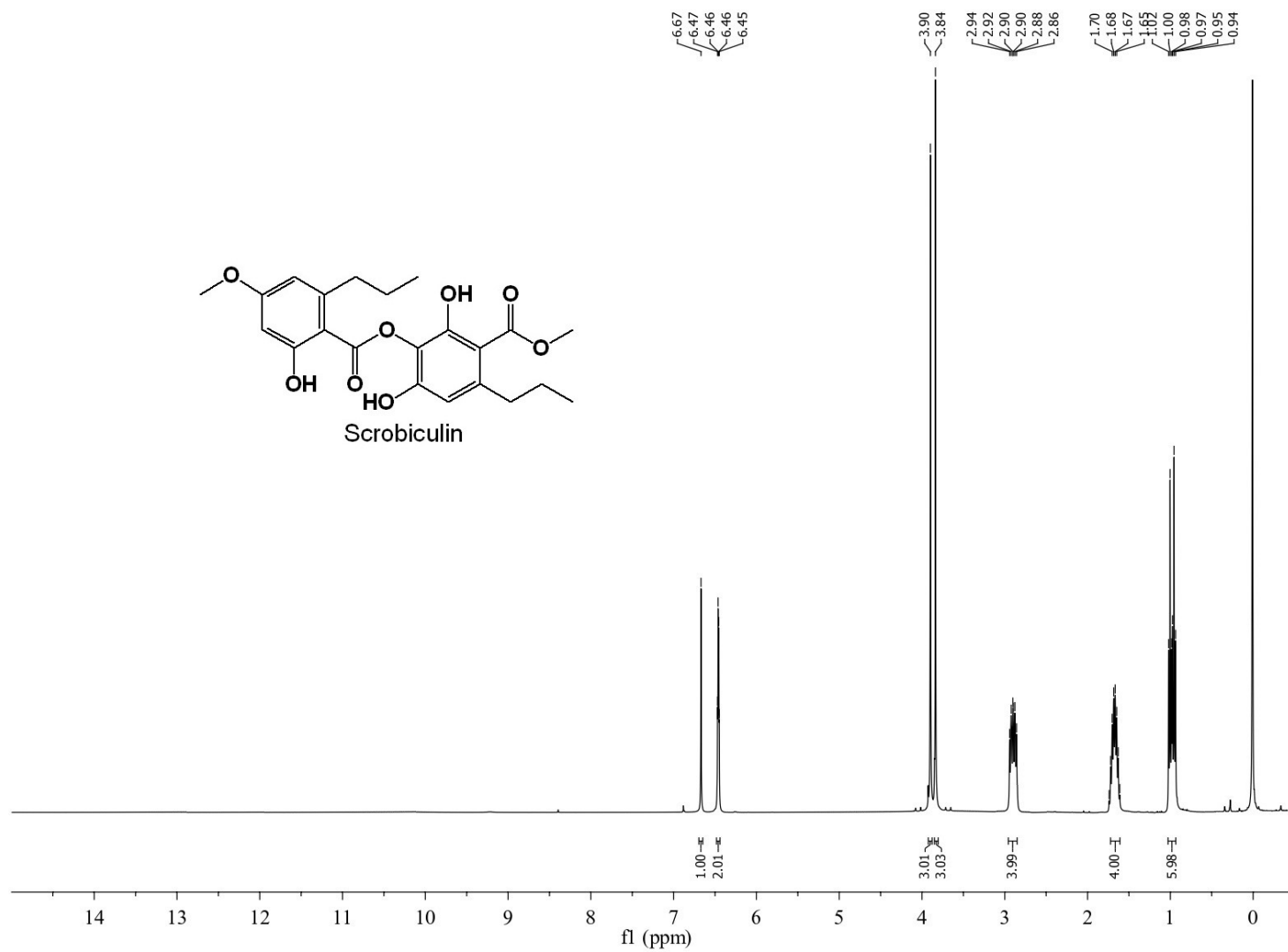


Fig. S10B Proton NMR of scrobiculin (D_2O , 400 MHz).

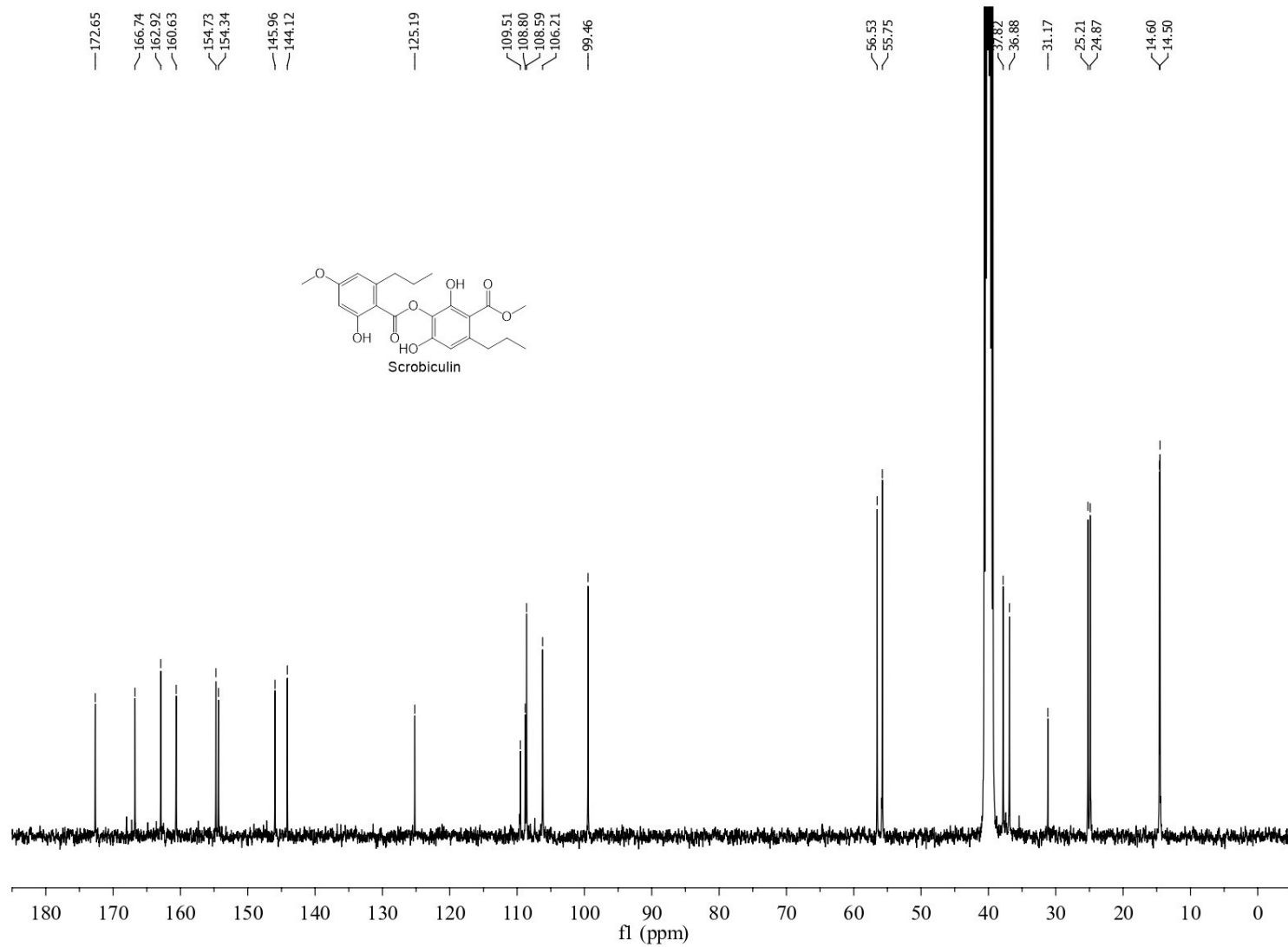


Fig. S11 ^{13}C NMR of scrobiculin (DMSO- d_6 , 400 MHz).

User Spectra

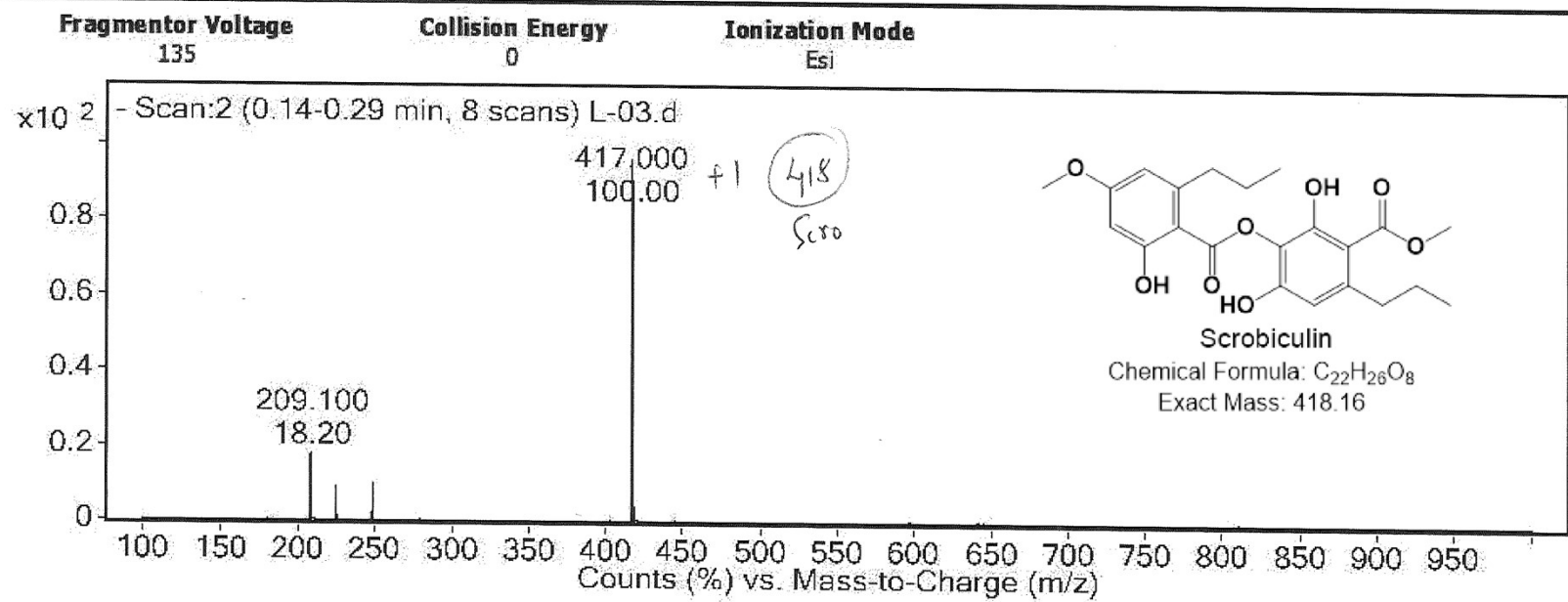


Fig. S12 ESI-MS of scrobiculin (negative mode).