

## Supporting Information

# Aurantoside L, a New Tetramic Acid Glycoside with Anti-Leishmanial Activity Isolated from the Marine Sponge *Siliquariaspongia japonica*

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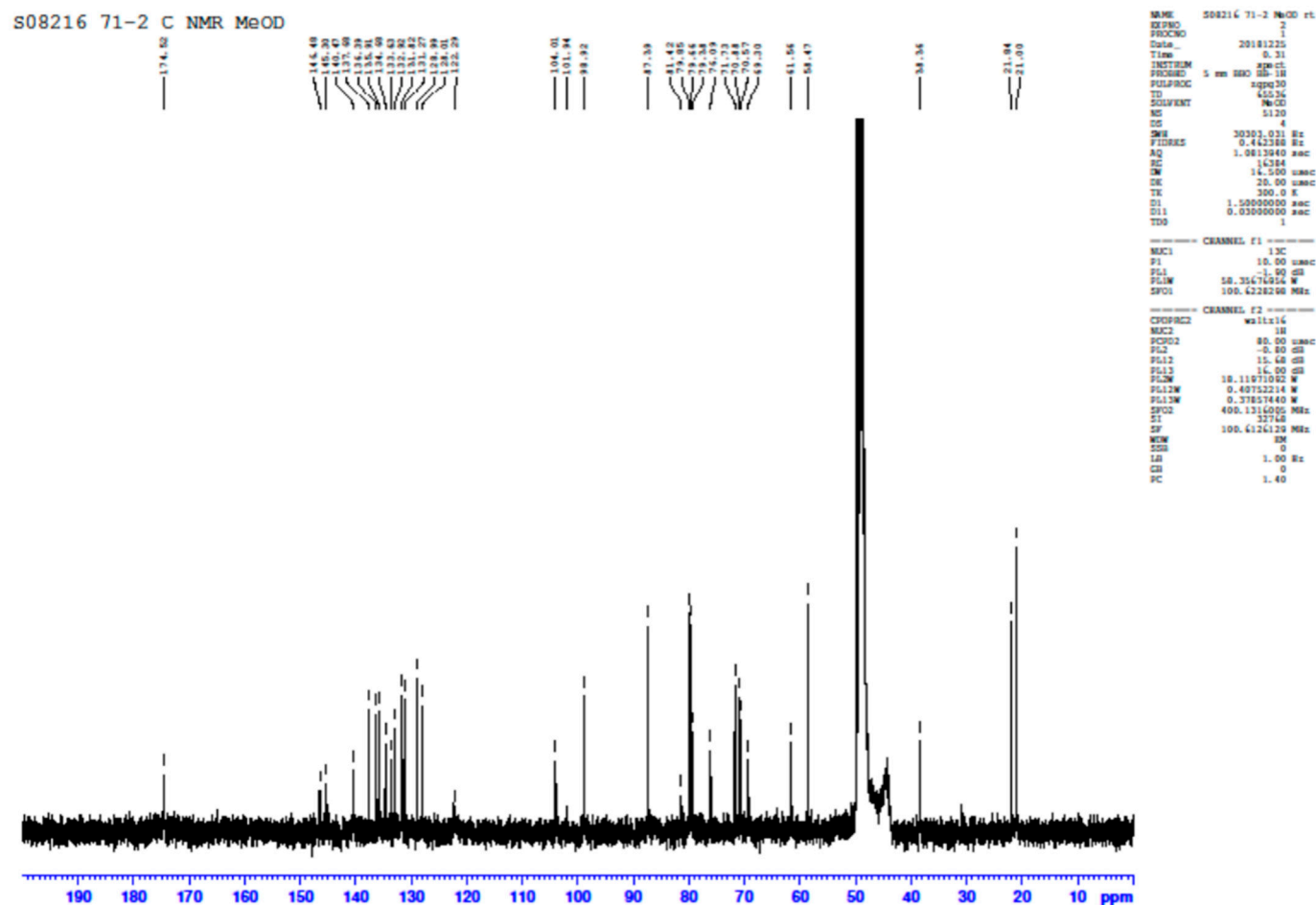


Figure S2. 1D  $^{13}\text{C}$  NMR spectrum of auranoside L (1) ( $\text{CD}_3\text{OD}$ , 297 K).

s08216 71-2 DEPT135 MeOD

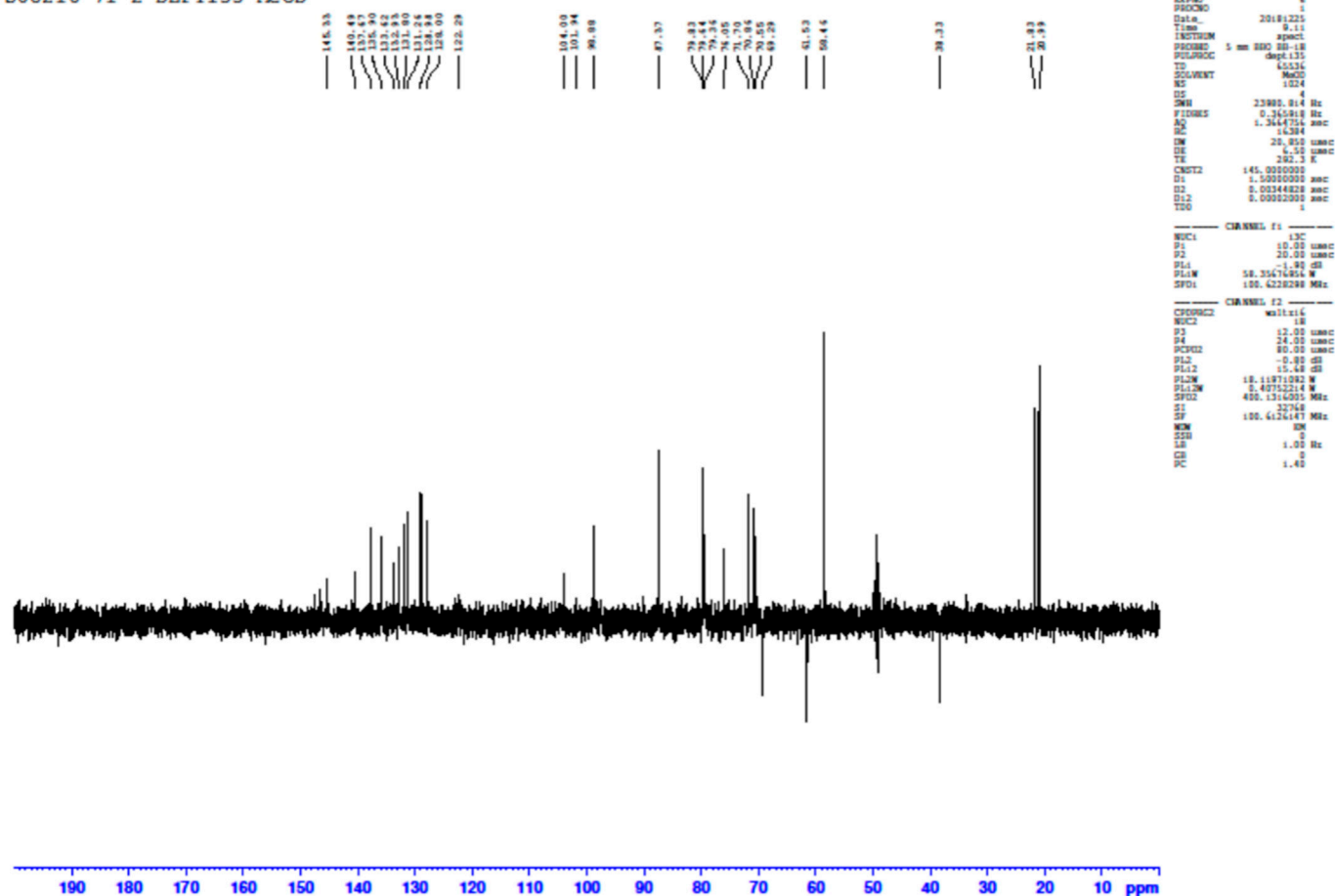


Figure S3. DEPT-135 spectrum of aurantoside L (1) (CD<sub>3</sub>OD, 297 K).

S08216 71-2 COSY MeOD

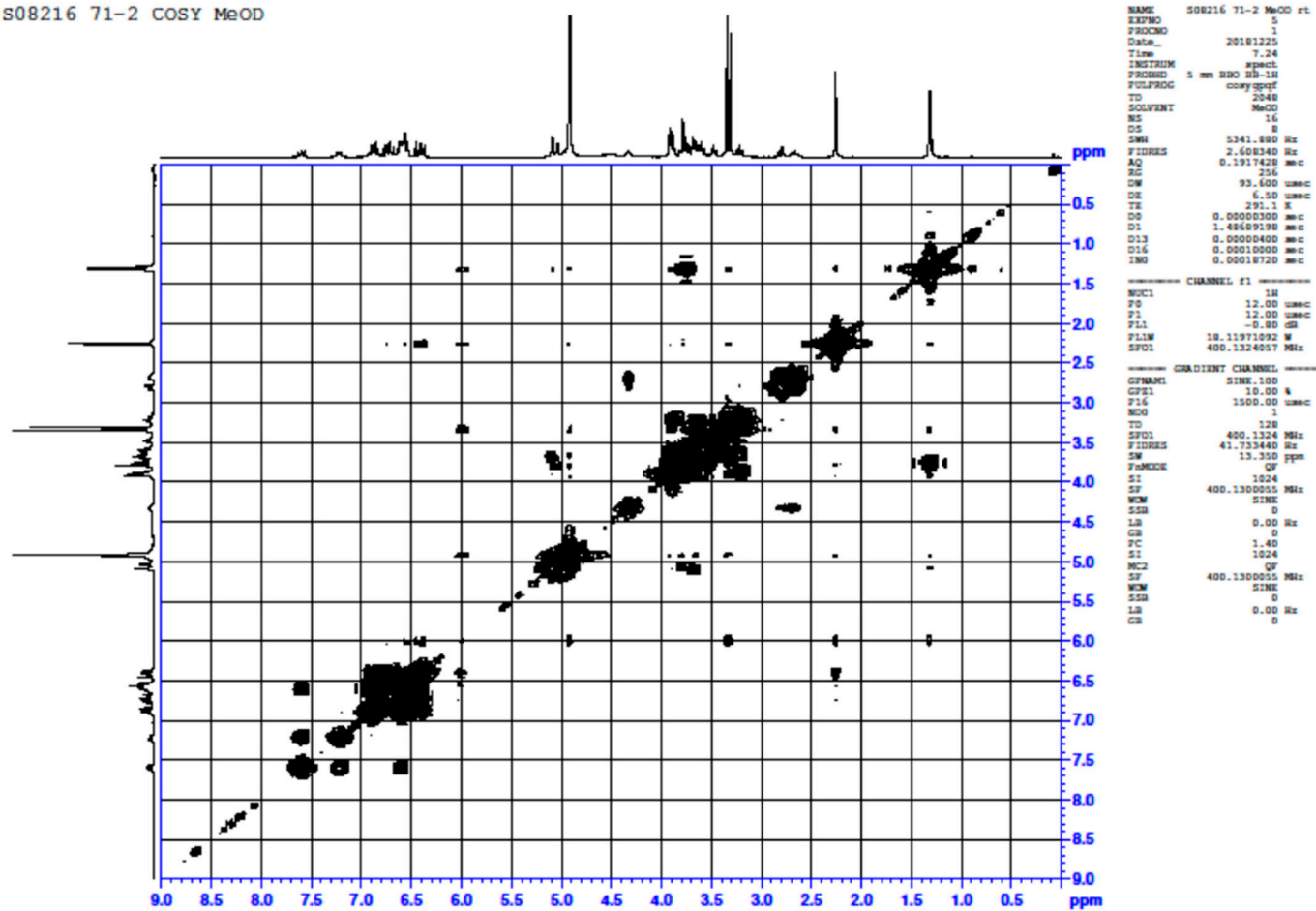
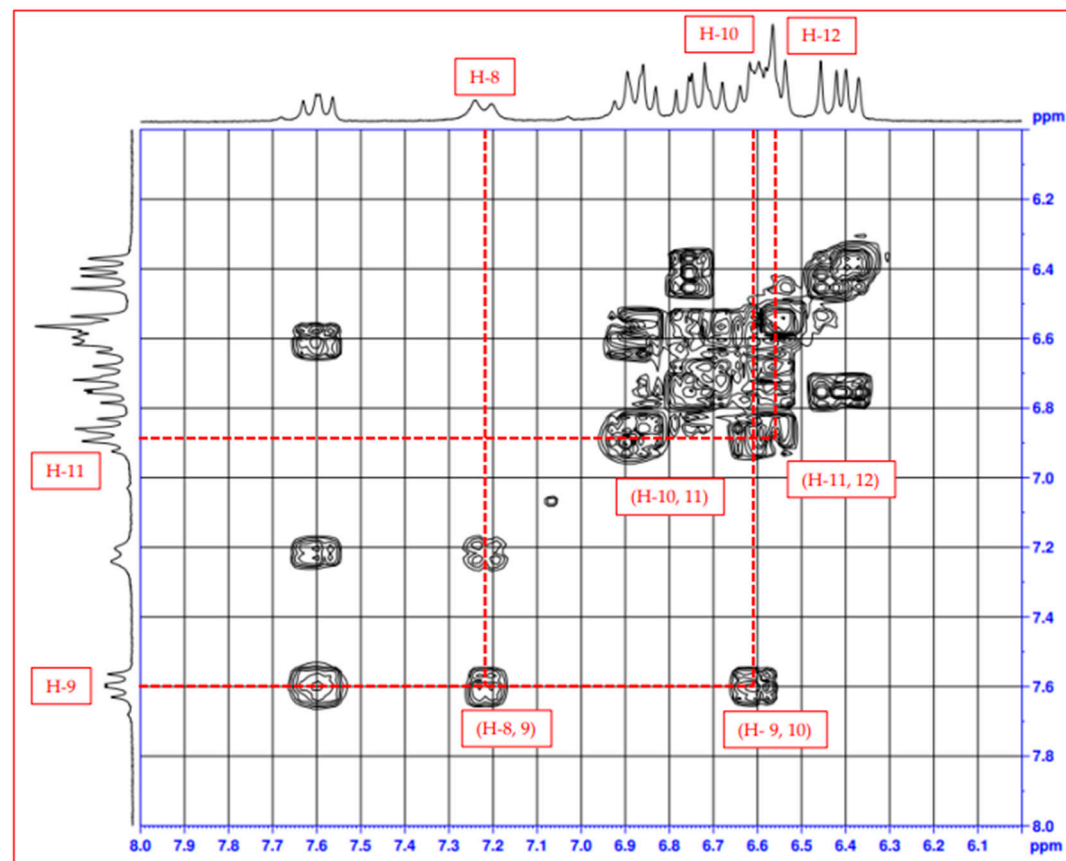
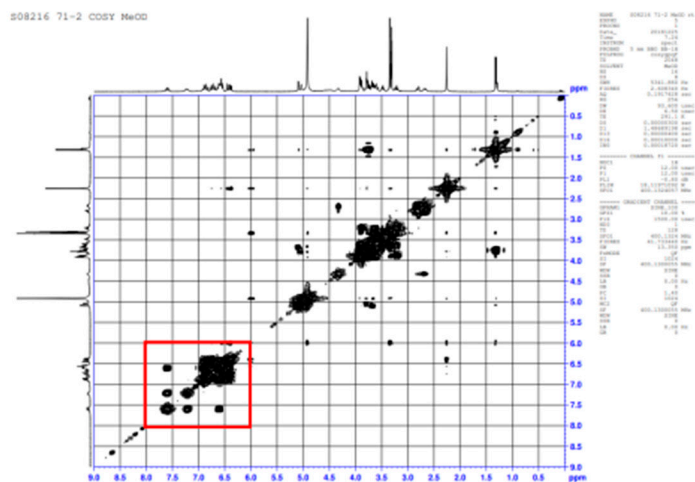


Figure S4. 2D  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of auranoside L (1) ( $\text{CD}_3\text{OD}$ , 297 K).



**Figure S5.** 2D  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of aurantoside L (**1**) in the range from 6.0 to 8.0 ppm ( $\text{CD}_3\text{OD}$ , 297 K).

s08216 71-2 HMQC MeOD rt

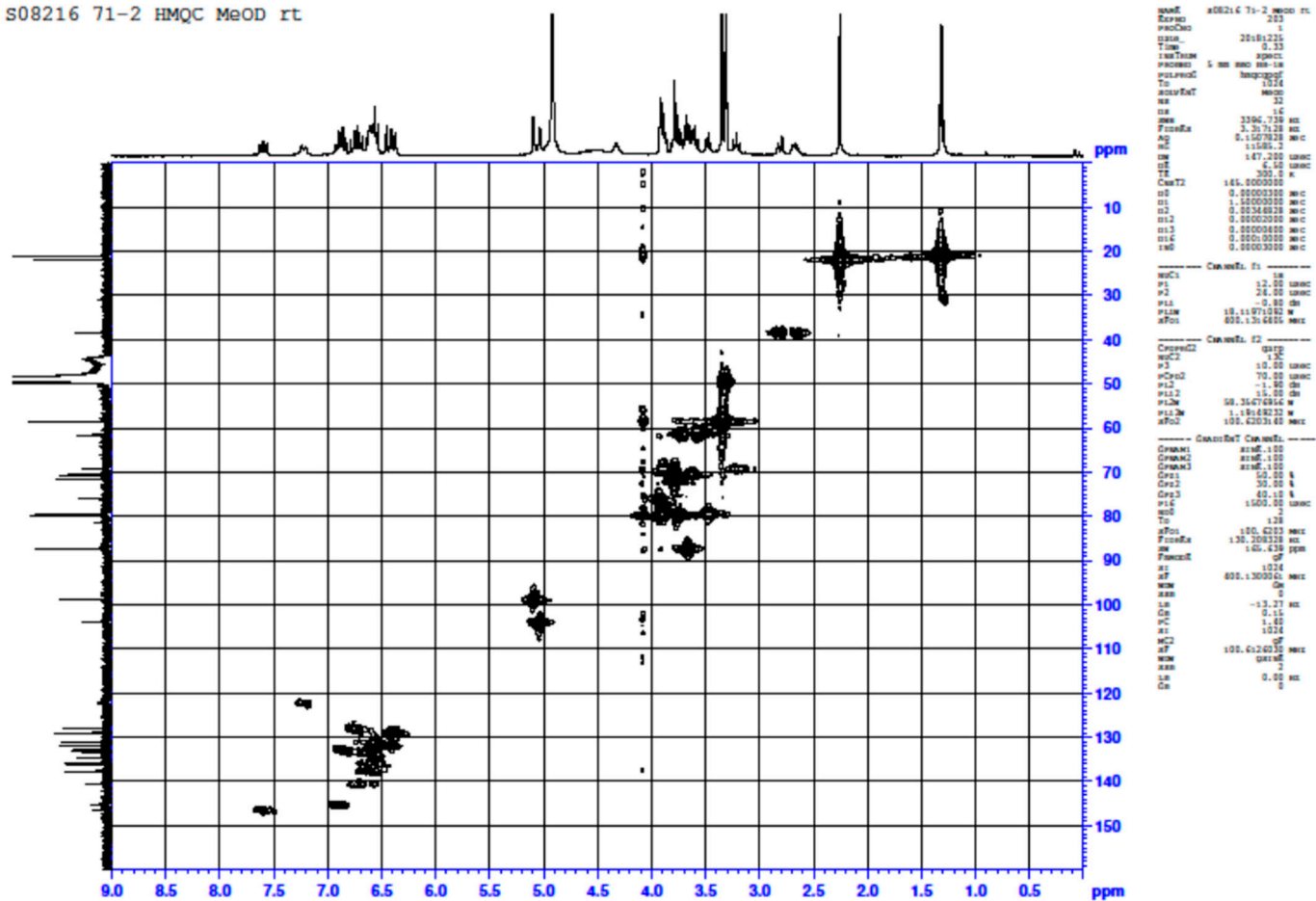


Figure S6. 2D  $^1\text{H}$ - $^{13}\text{C}$  HMQC spectrum of auranoside L (1) ( $\text{CD}_3\text{OD}$ , 297 K).



s08216 71-2 HMBC MeOD rt

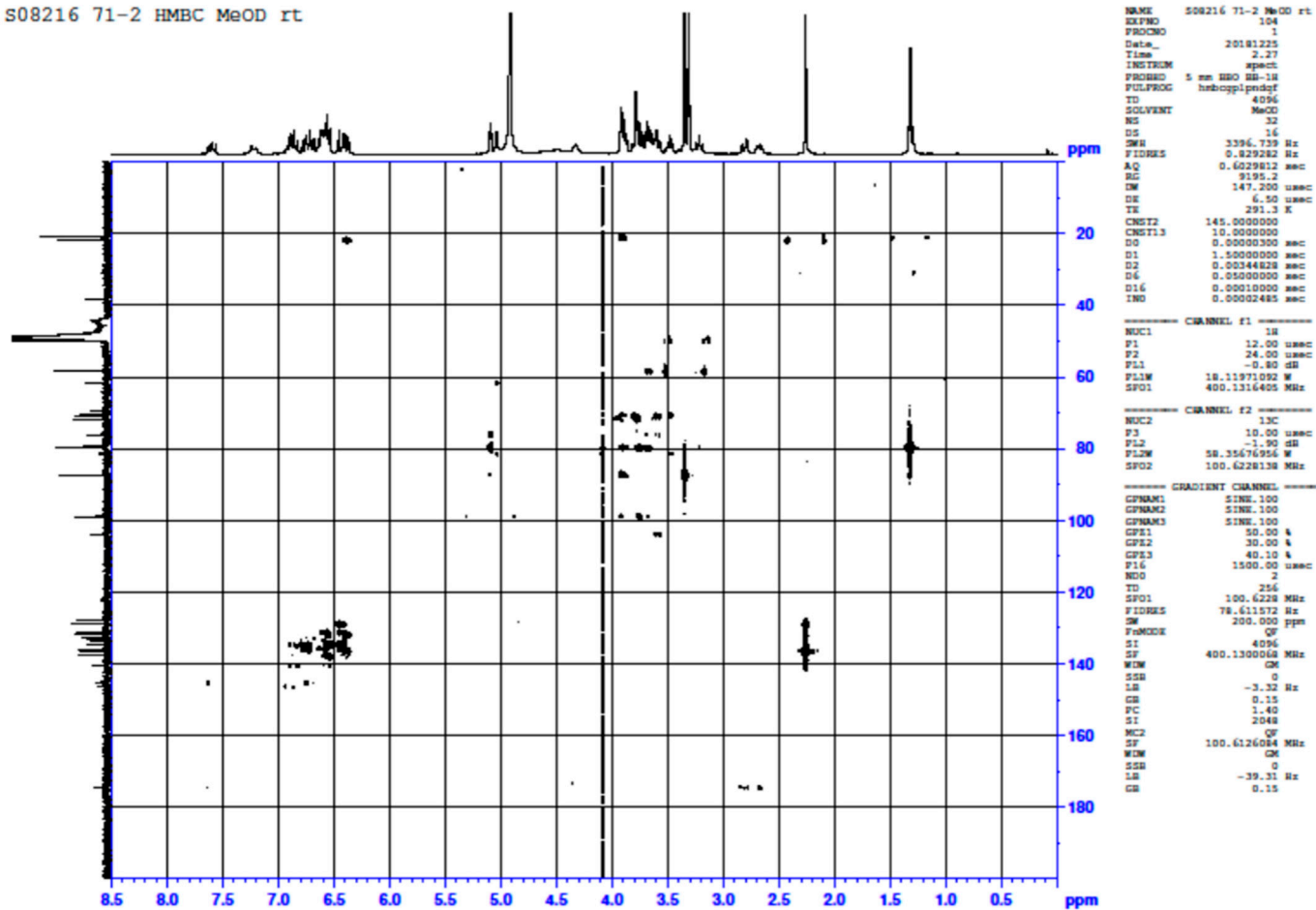


Figure S7. 2D  $^1\text{H}$ - $^{13}\text{C}$  HMBC spectrum of aurantoside L (**1**) ( $\text{CD}_3\text{OD}$ , 297 K).

S08216 71-2 NOESY MeOD

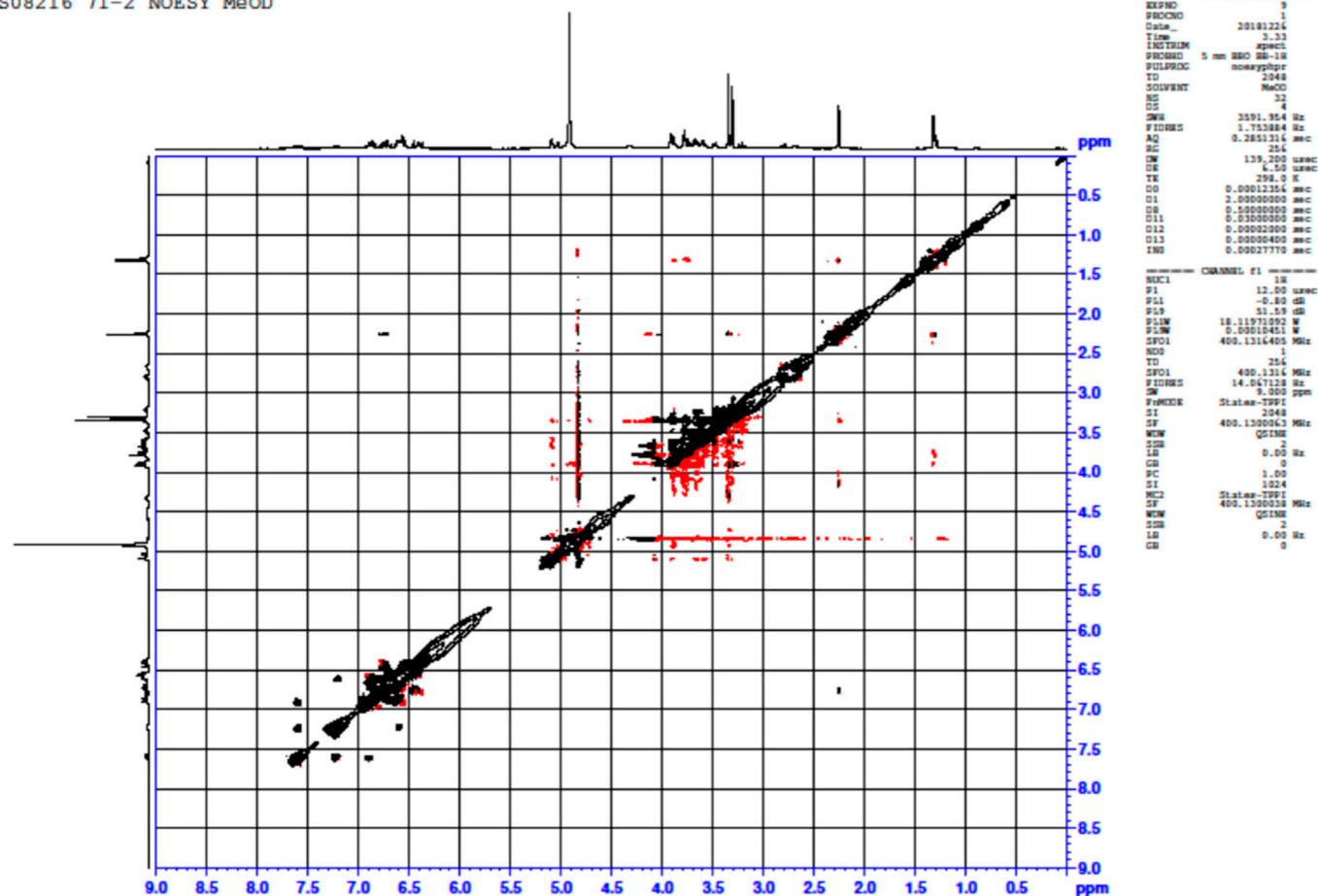


Figure S8. NOESY spectrum of auranoside L (1) (CD<sub>3</sub>OD, 297 K).

S08216 71-2 H NMR MeOD 320K

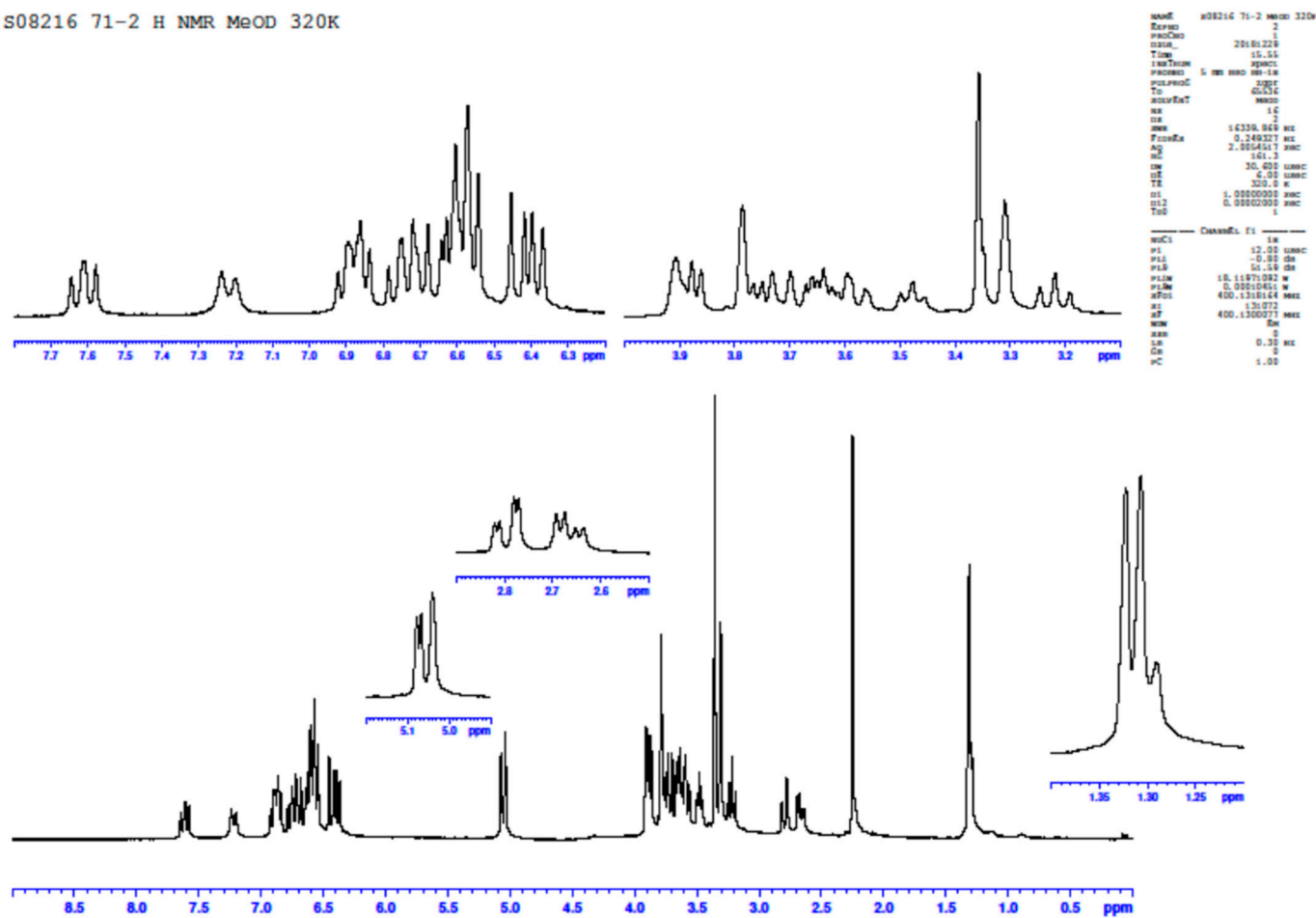


Figure S9. 1D  $^1\text{H}$  NMR spectrum of aurantoside L (1) ( $\text{CD}_3\text{OD}$ , 320 K).

S08216 71-2 C NMR MeOD 320K

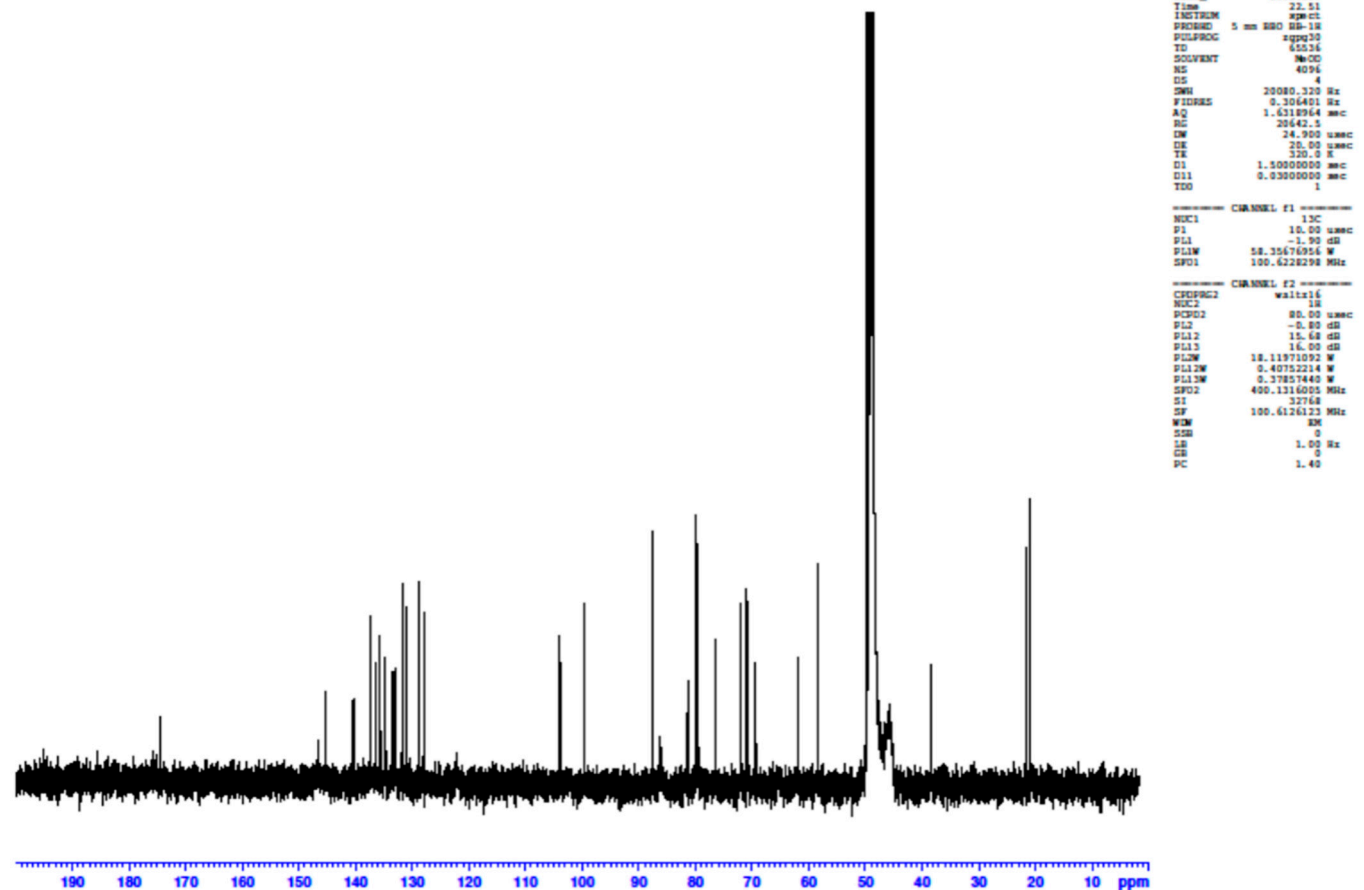


Figure S10. 1D  $^{13}\text{C}$  NMR spectrum of auranoside L (1) ( $\text{CD}_3\text{OD}$ , 320 K).

S08216 71-2 DEPT135 MeOD 320K

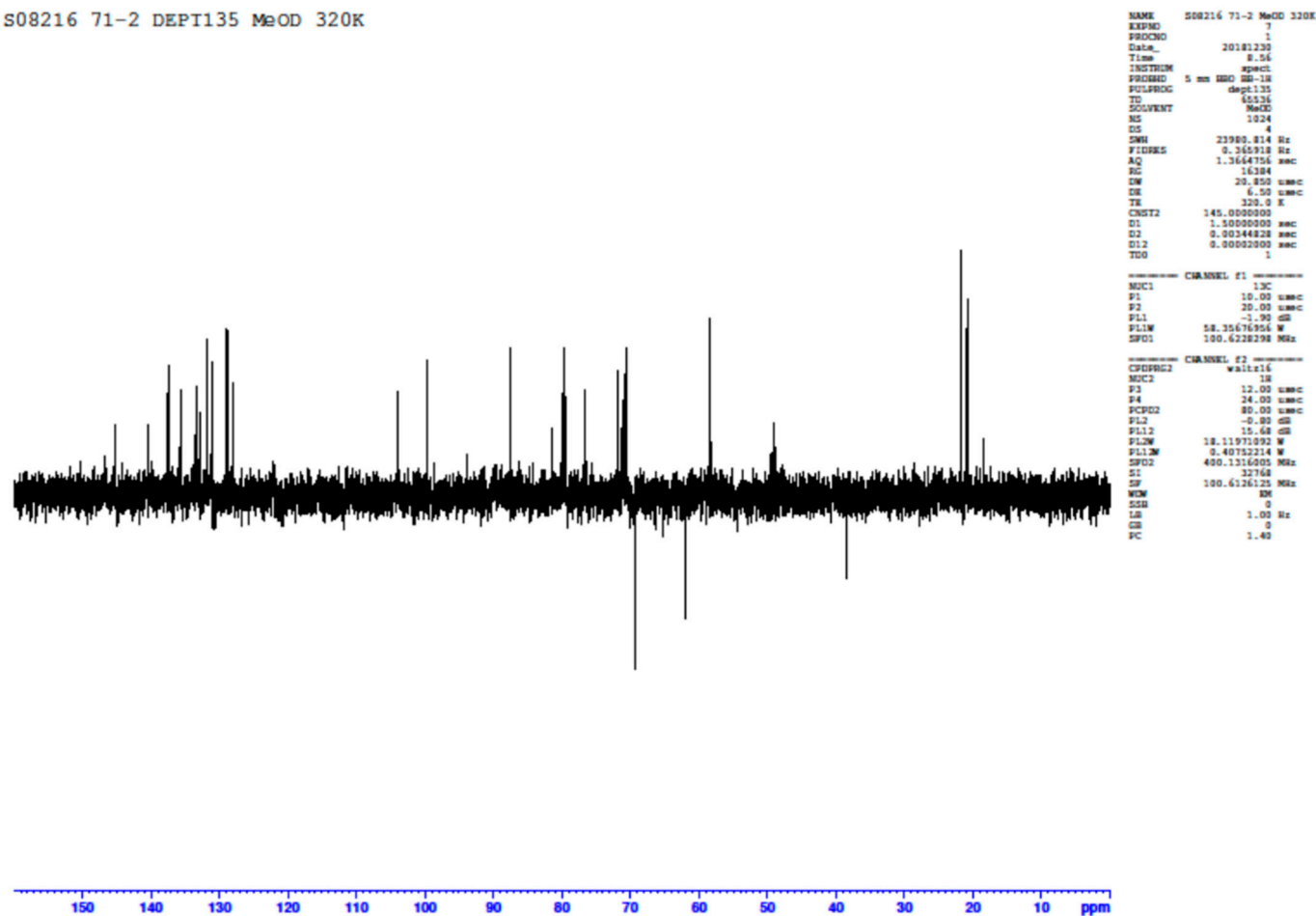


Figure S11. DEPT-135 spectrum of auranoside L (1) (CD<sub>3</sub>OD, 320 K).

S08216 71-2 COSY MeOD 320K

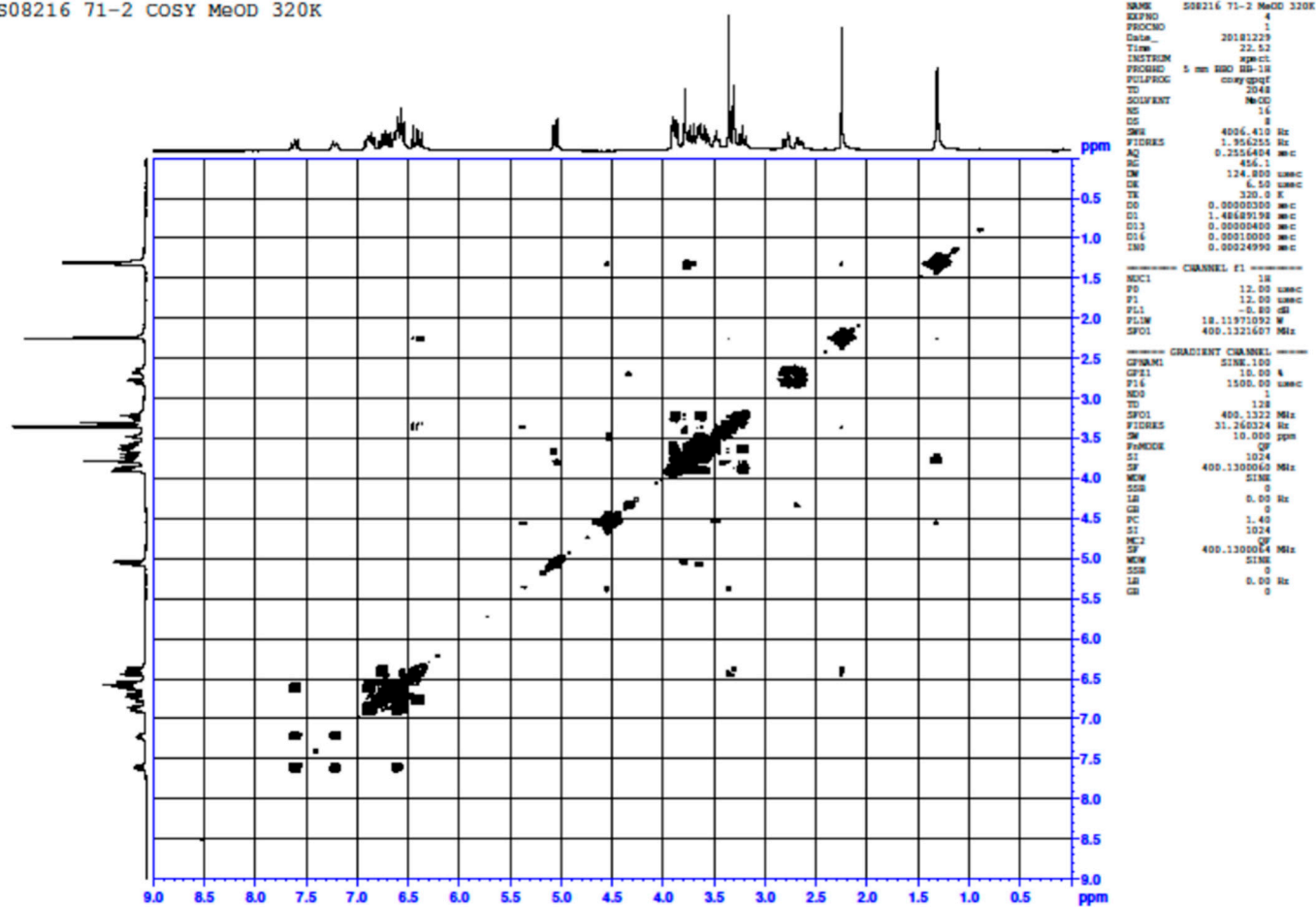


Figure S12. 2D  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of auranoside L (1) ( $\text{CD}_3\text{OD}$ , 320 K).

S08216 71-2 HMQC MeOD 320K

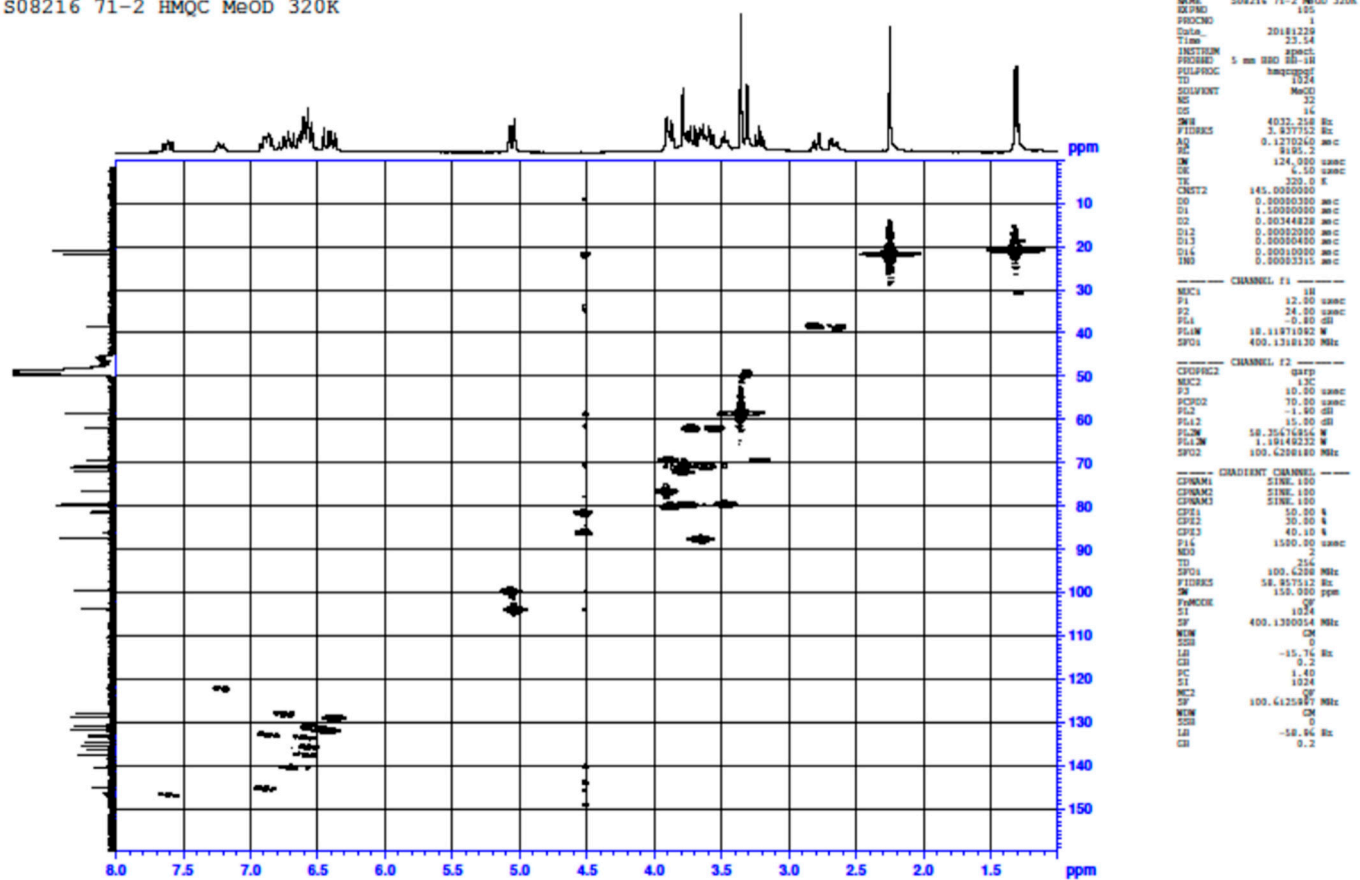


Figure S13. 2D  $^1\text{H}$ - $^{13}\text{C}$  HMQC spectrum of auranoside L (1) ( $\text{CD}_3\text{OD}$ , 320 K).

s08216 71-2 HMBC MeOD 320K

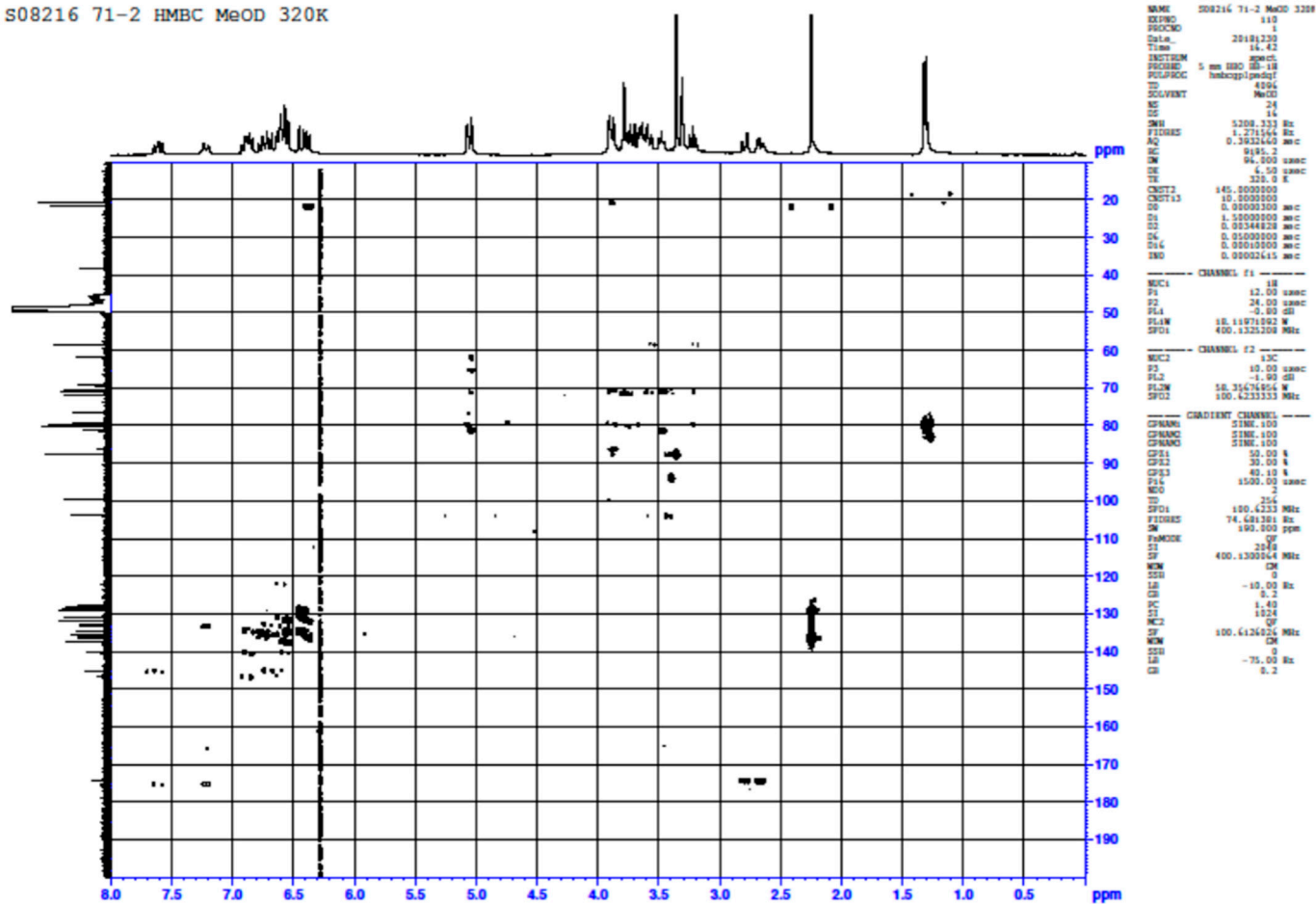


Figure S14. 2D  $^1\text{H}$ - $^{13}\text{C}$  HMBC spectrum of auranoside L (1) ( $\text{CD}_3\text{OD}$ , 320 K).



S08216 71-2 NOESY MeOD 320K

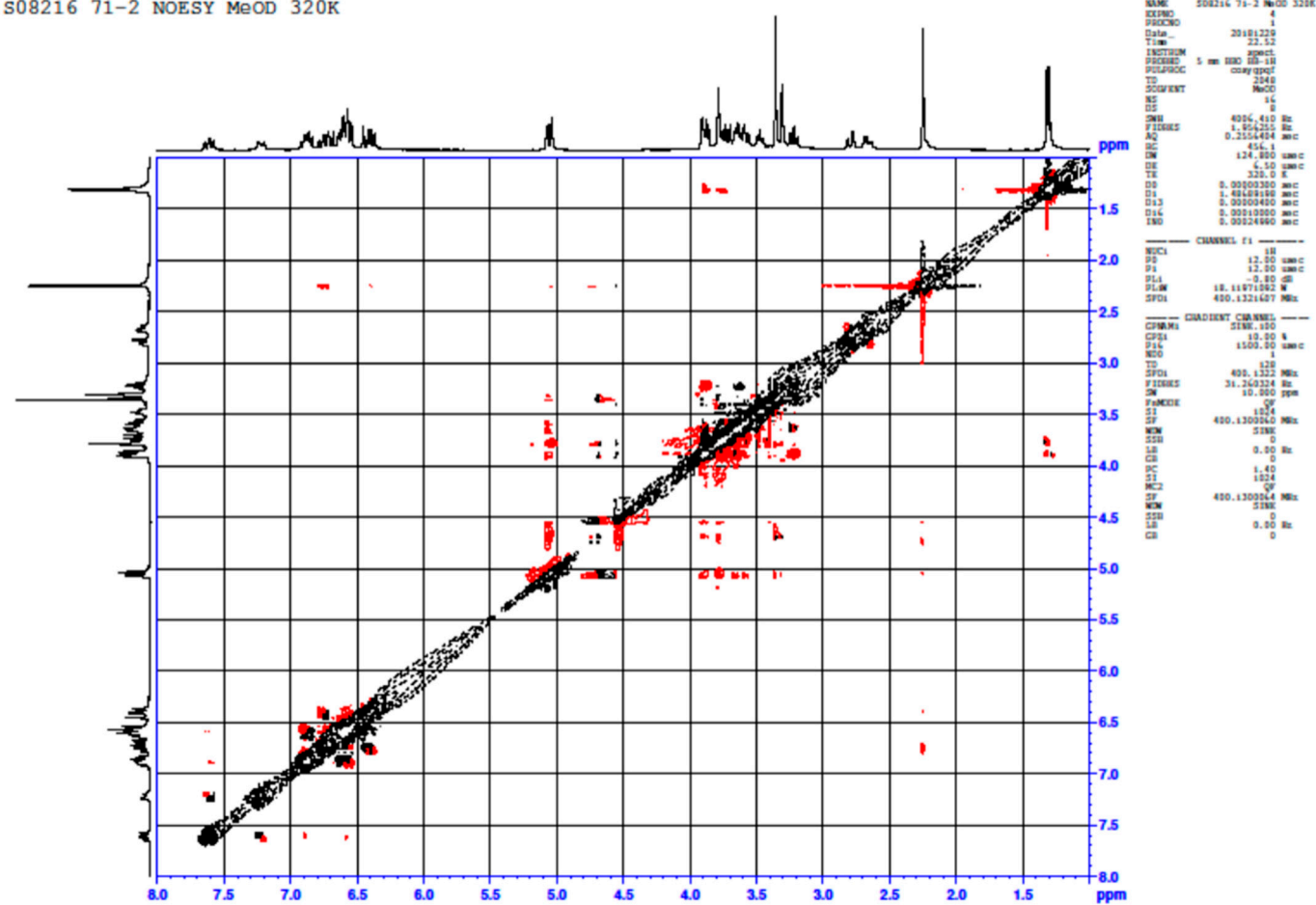


Figure S15. 2D  $^1\text{H}$ - $^1\text{H}$  NOESY spectrum of auranoside L (**1**) ( $\text{CD}_3\text{OD}$ , 320 K).

S08216 72-2 H NMR DMSO rt

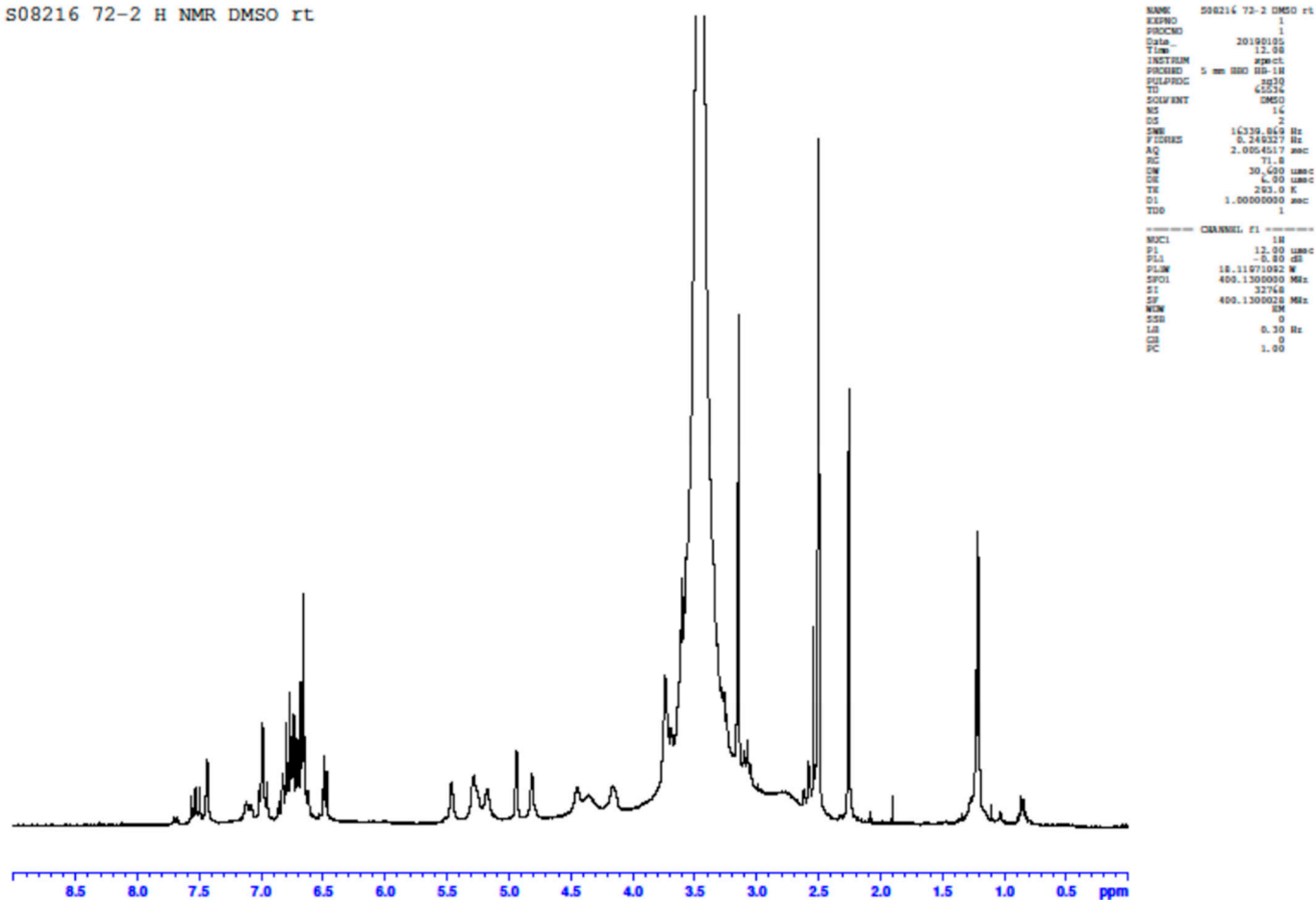


Figure S16. 1D  $^1\text{H}$  NMR spectrum of auranoside L (**1**) ( $\text{CD}_3\text{COCD}_3$ , 297 K).

S08216 71-2 NOESY DMSO

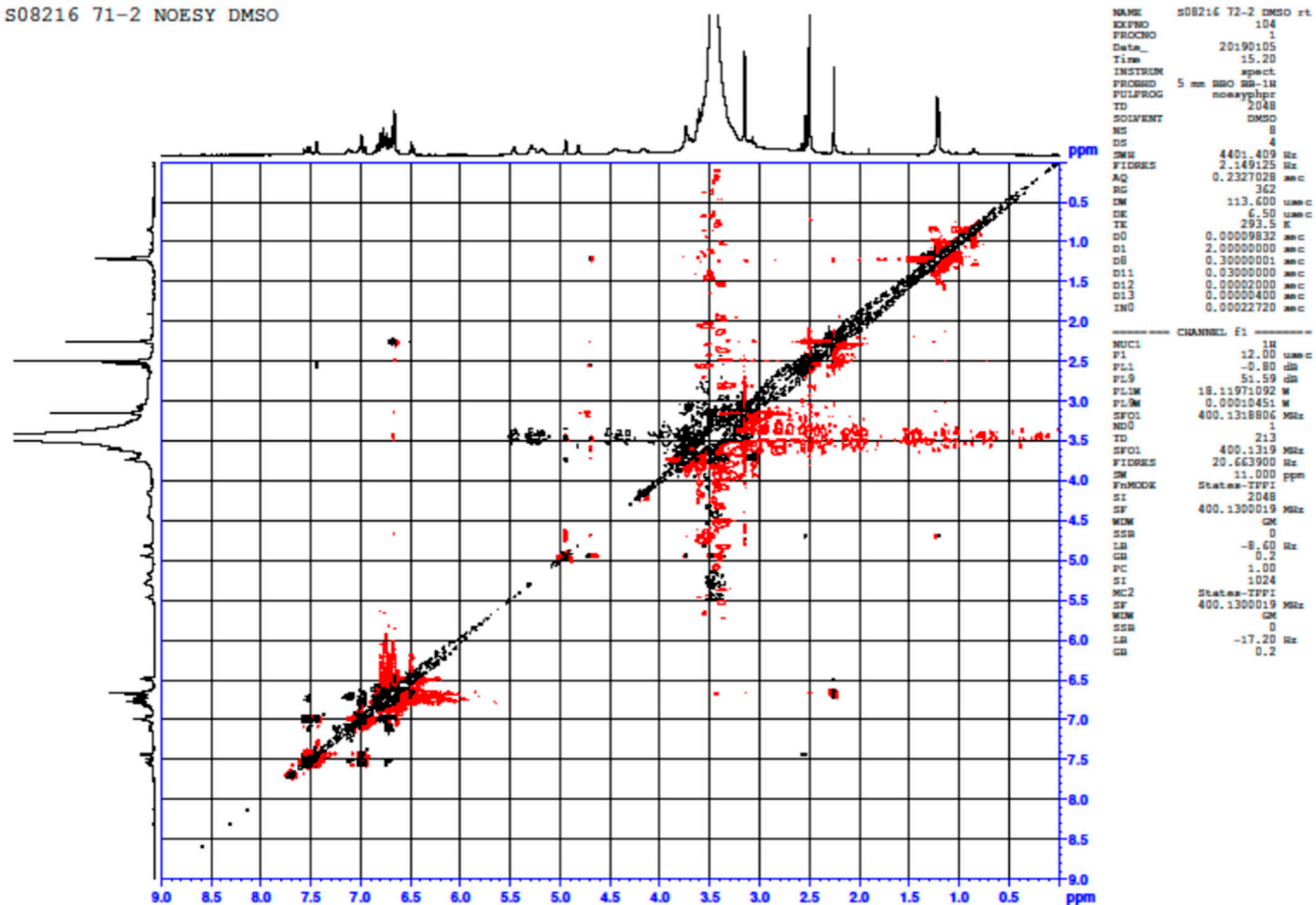


Figure S17. 2D  $^1\text{H}$ - $^1\text{H}$  NOESY spectrum of aurantoside L (**1**) ( $\text{CD}_3\text{COCD}_3$ , 297 K).

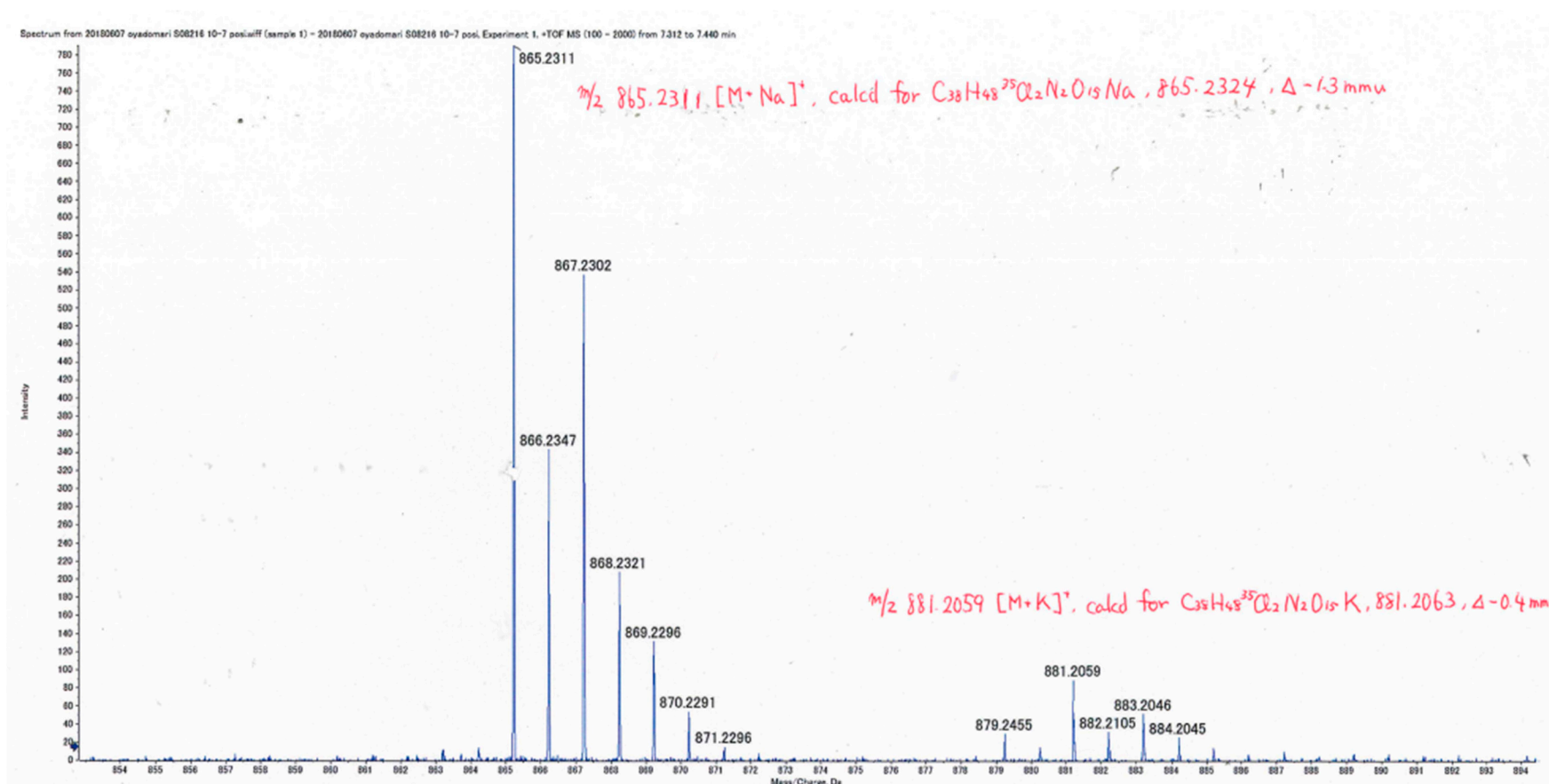
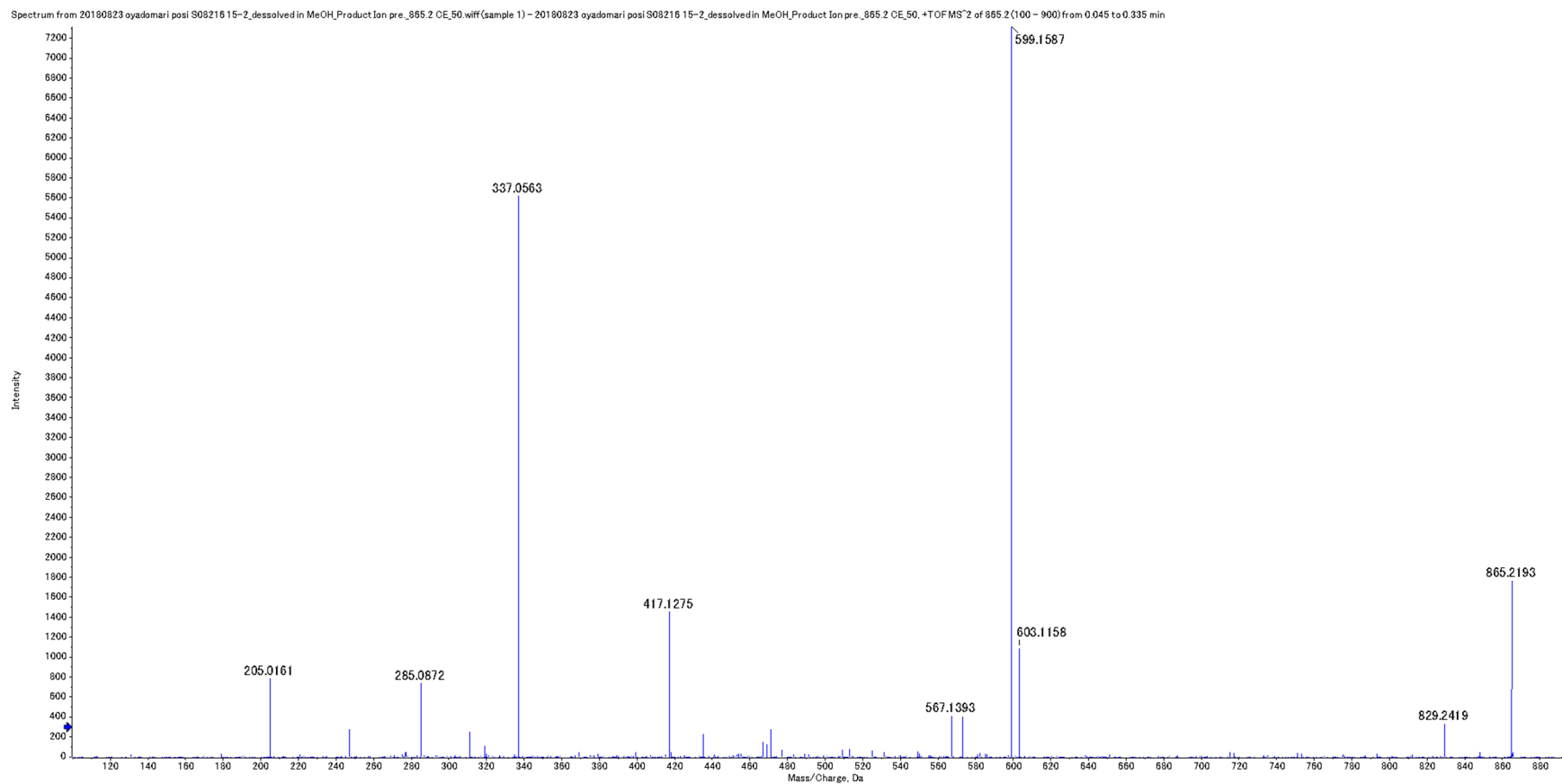


Figure S18. ESIMS of aurantioside L (**1**) (positive mode).



**Figure S19.** ESIMS/MS of aurantoside L (**1**) (positive mode, collision energy = 40 eV, precursor ion =  $m/z$  865.2).