

Supporting Information

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Figure S1. ^1H NMR spectrum (500 MHz) of juvenimicin C (**1**) in acetonitrile- d_3 .

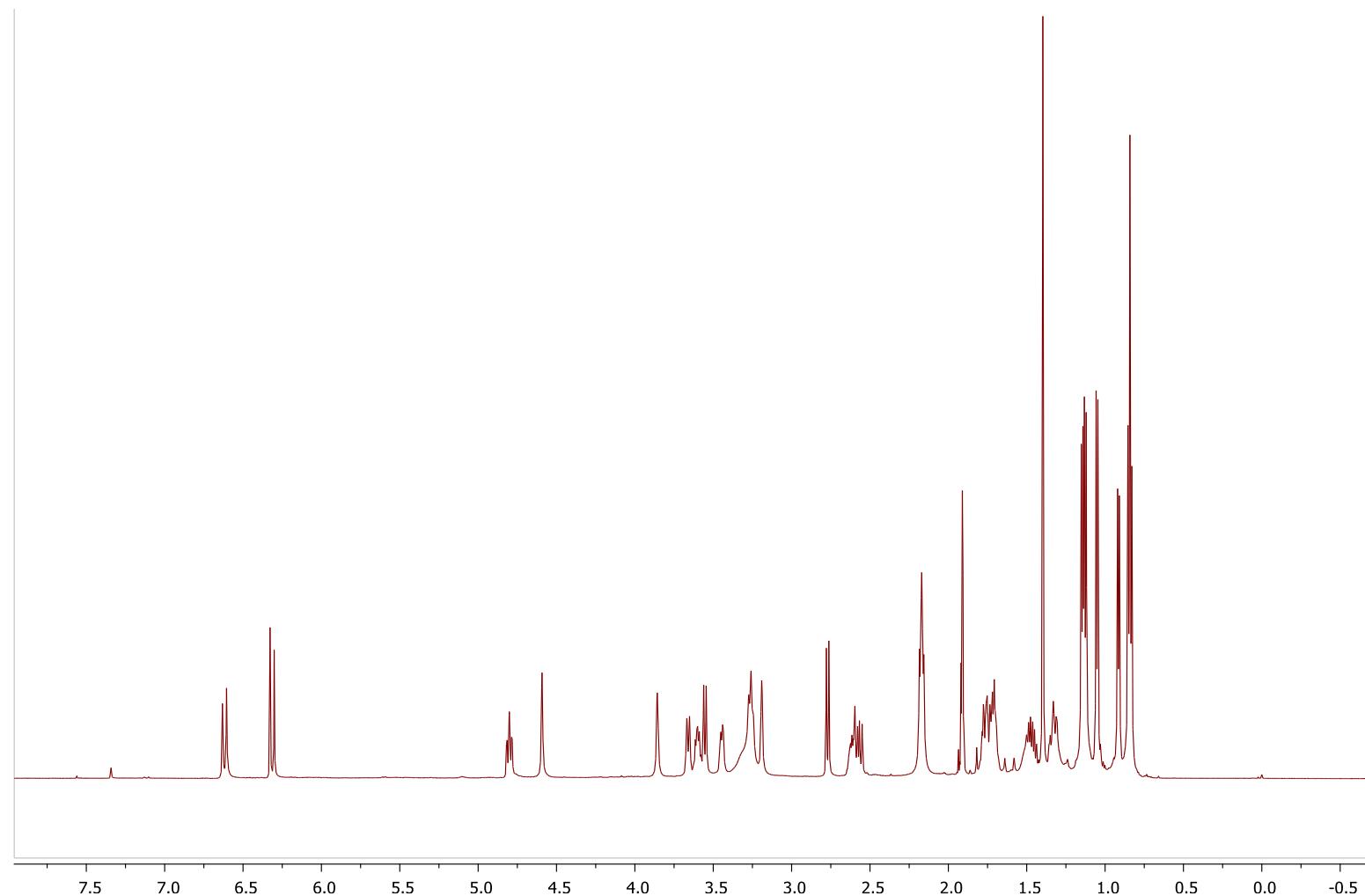


Figure S2. COSY spectrum (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

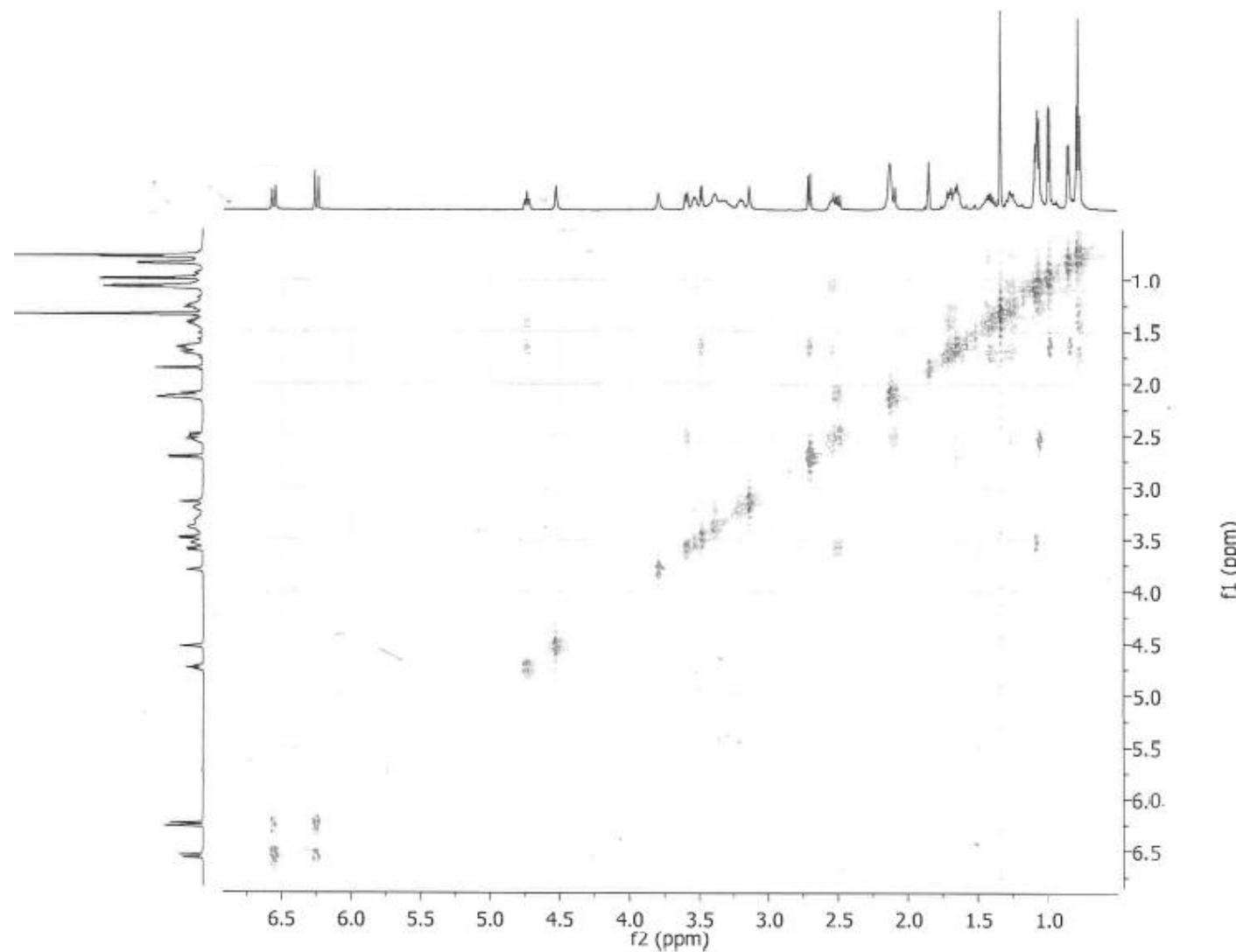


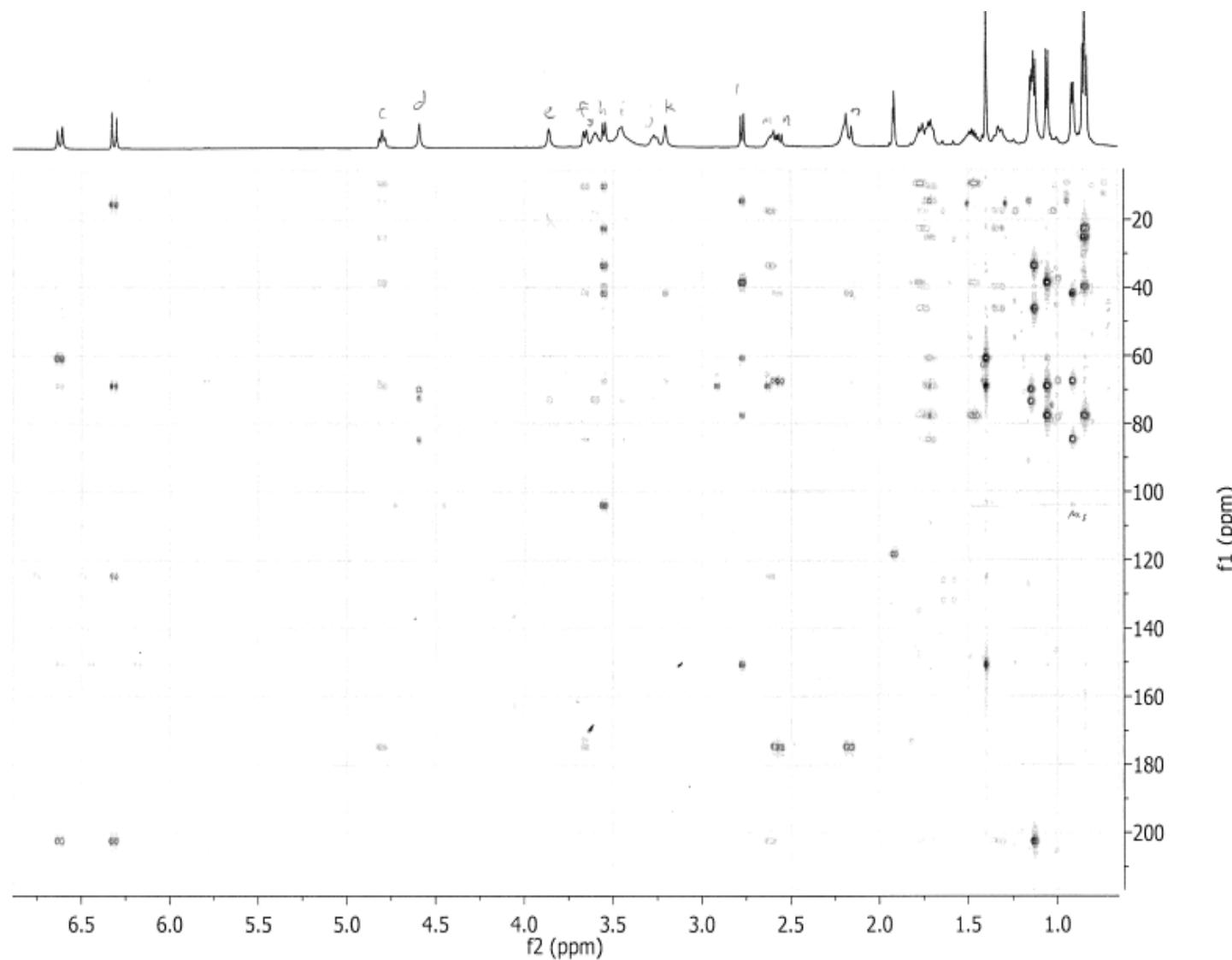
Figure S3. HMBC spectrum (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

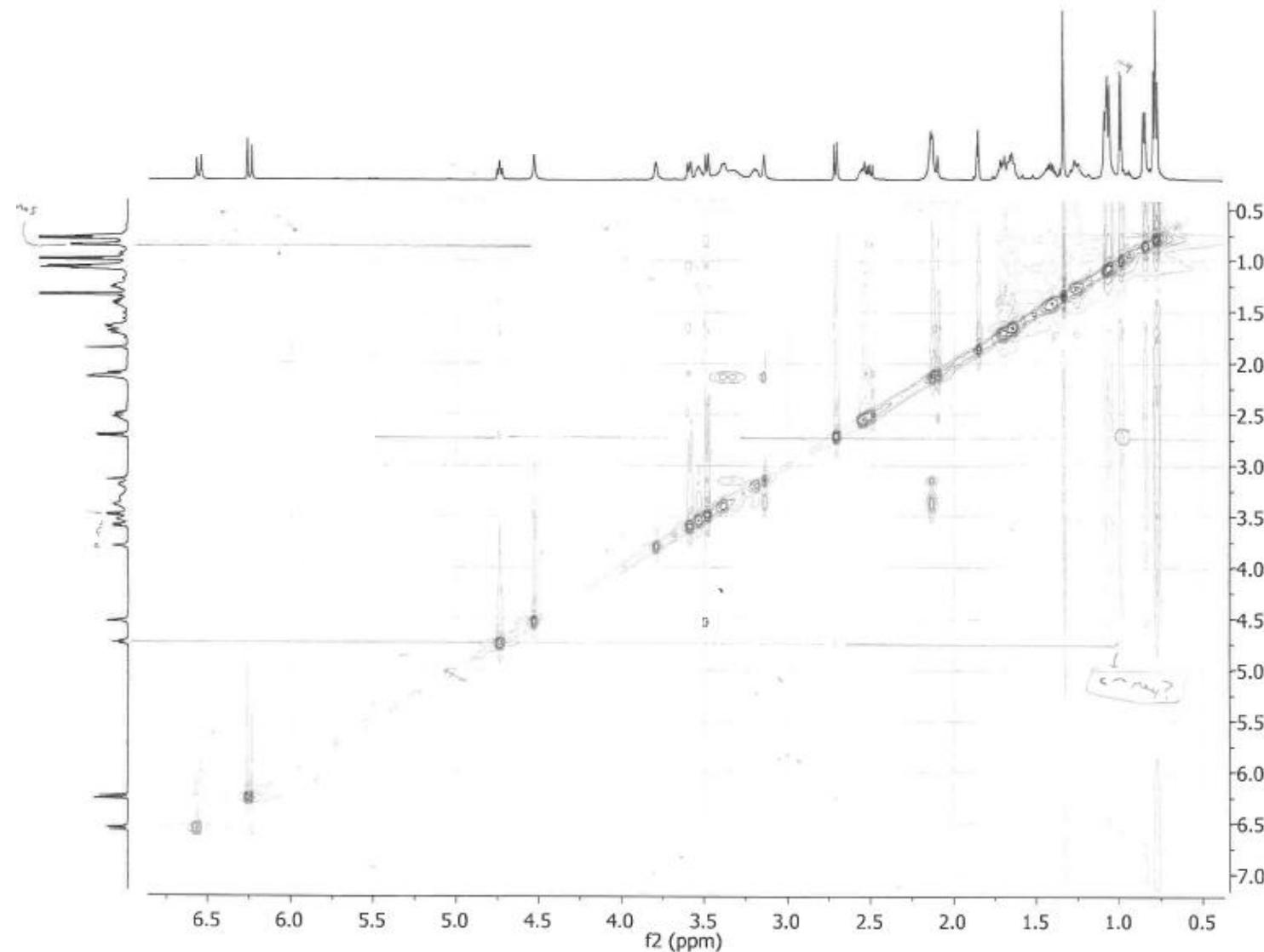
Figure S4. NOESY spectrum (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

Figure S5. Selective 1D-TOCSY spectrum of H2 (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*3.

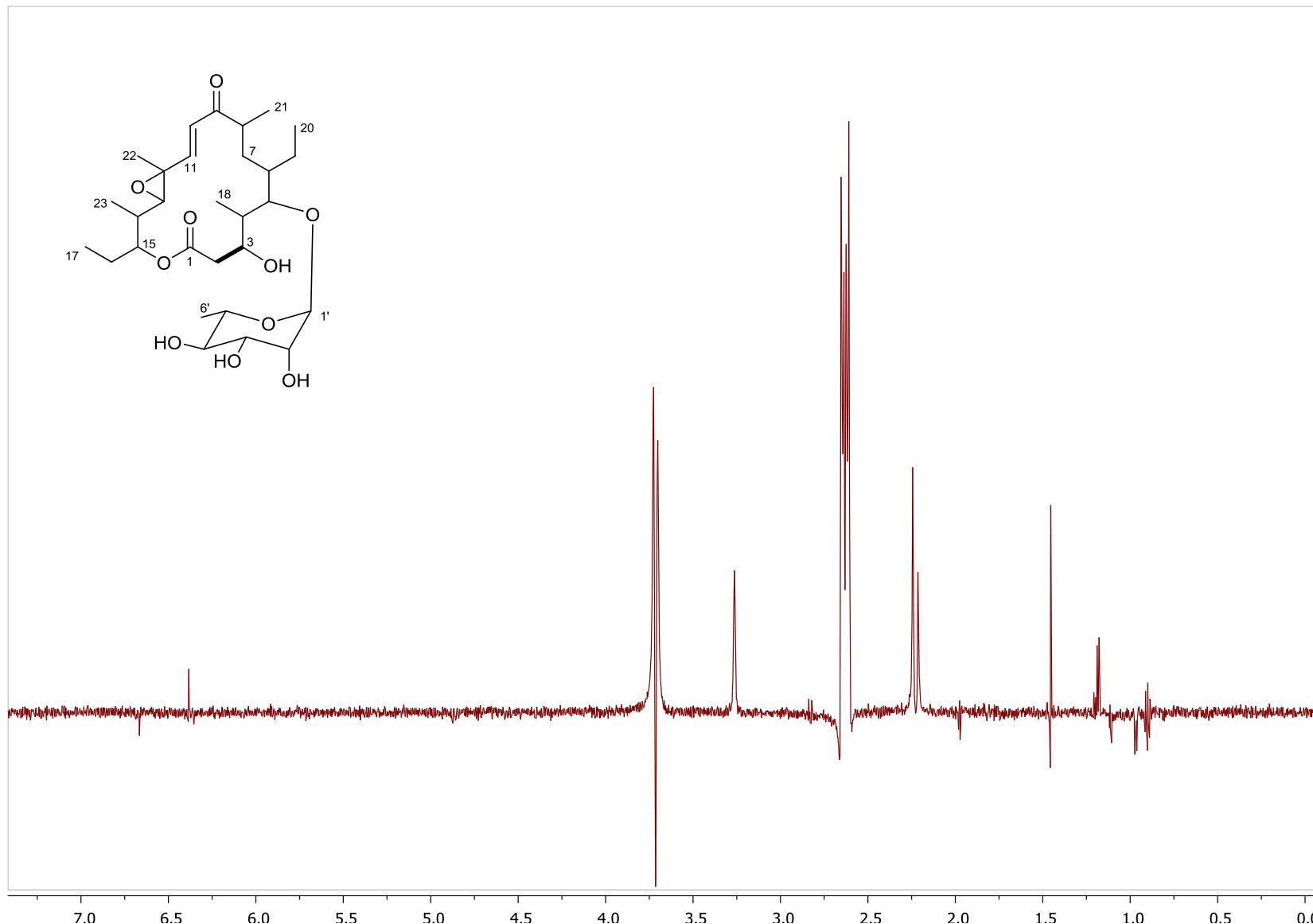


Figure S6. Selective 1D-TOCSY spectrum of H3 (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

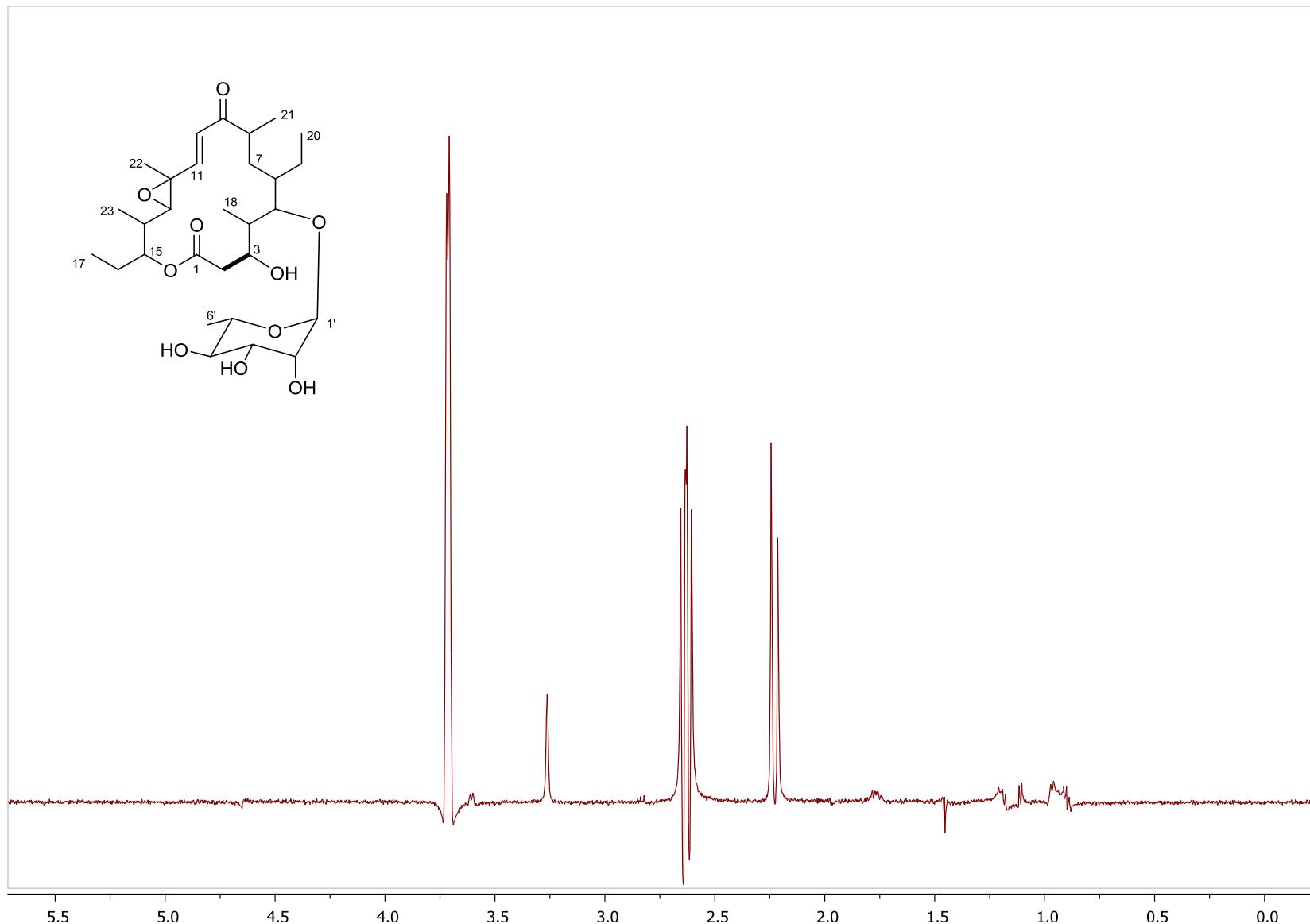


Figure S7. Selective 1D-TOCSY spectrum of H8 (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

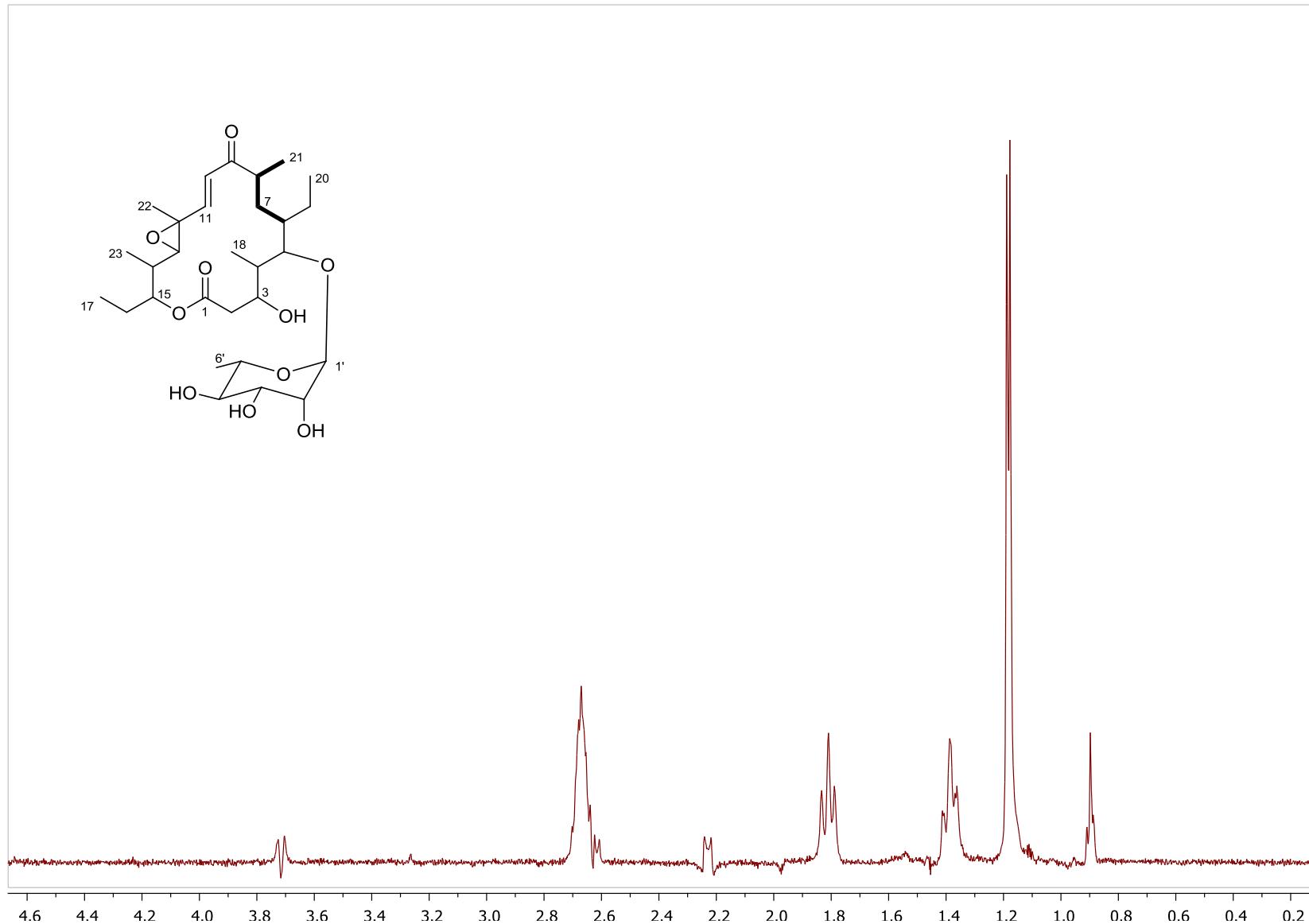


Figure S8. Selective 1D-TOCSY spectrum of H15 (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

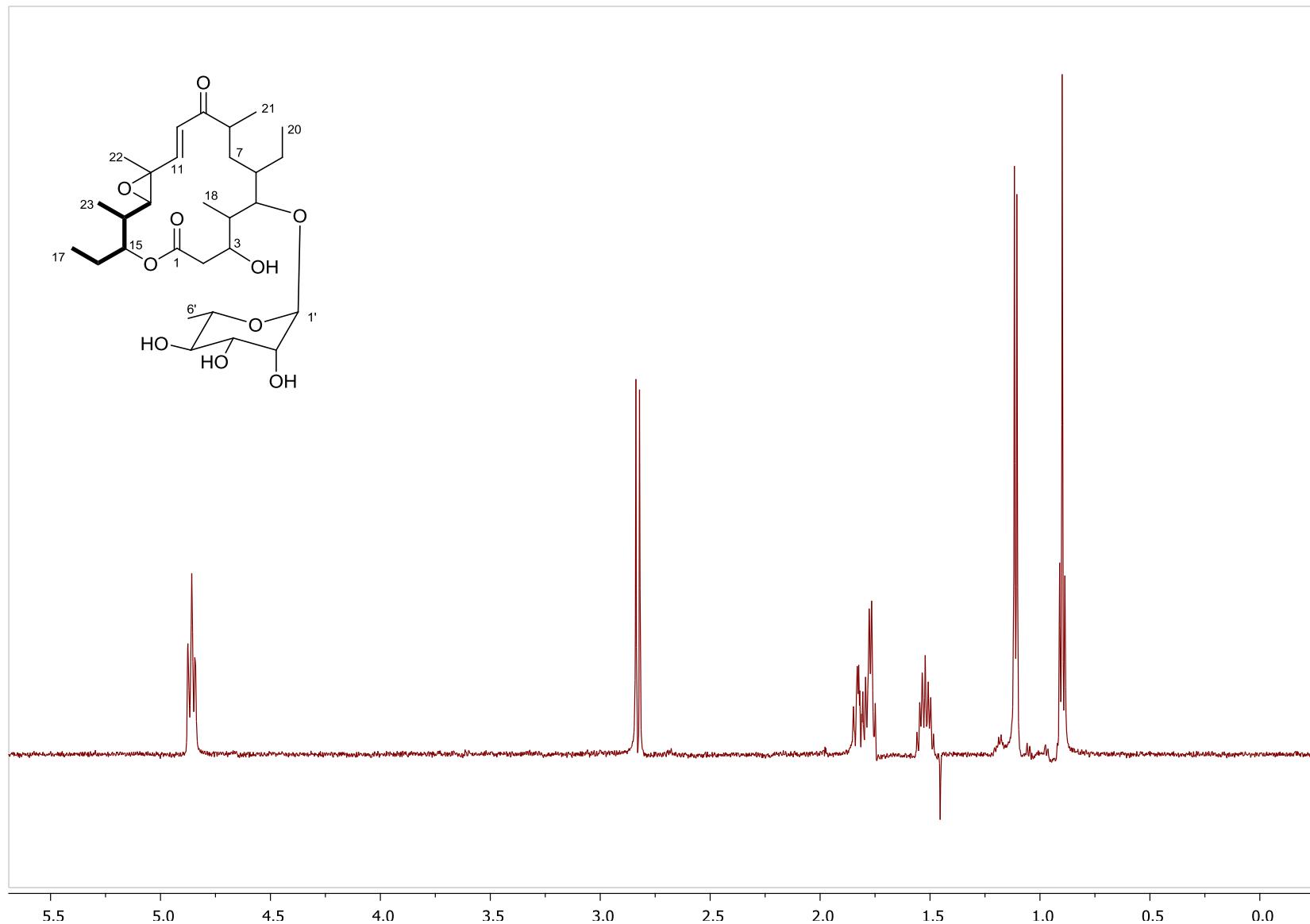


Figure S9. Selective 1D-TOCSY spectrum of H18 (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

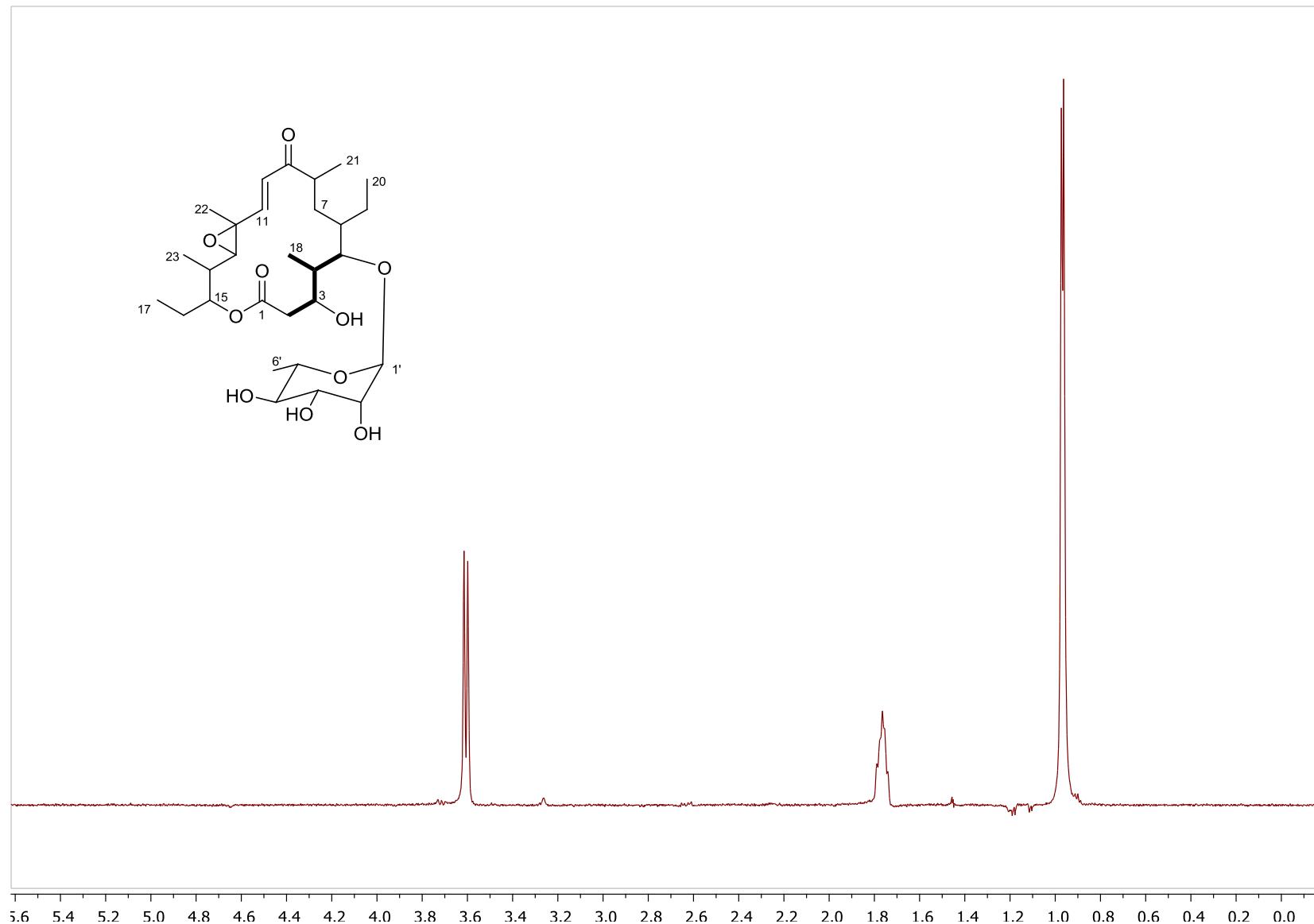


Figure S10. Selective 1D-TOCSY spectrum of H1' (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

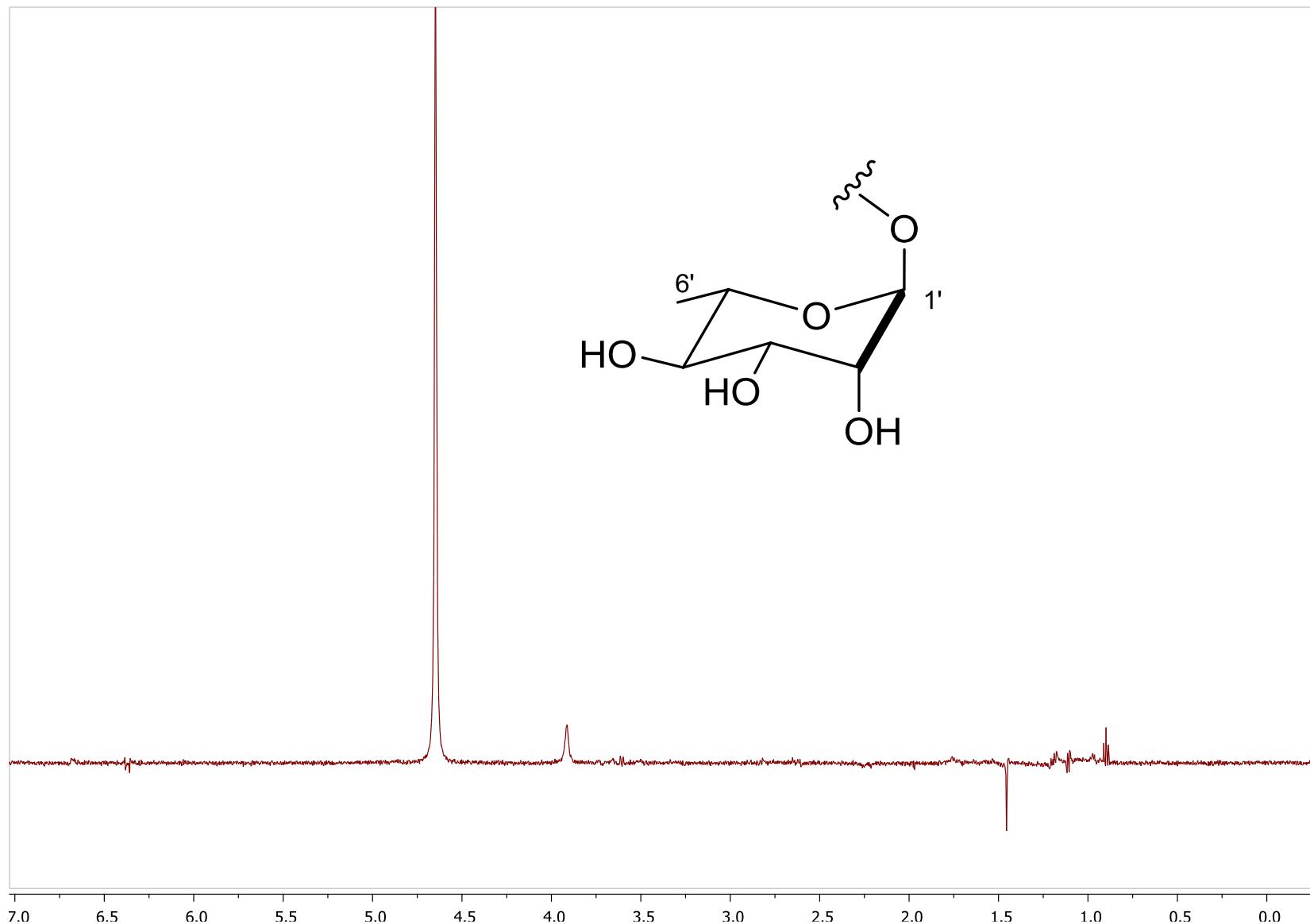


Figure S11. Selective 1D-TOCSY spectrum of H5' (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

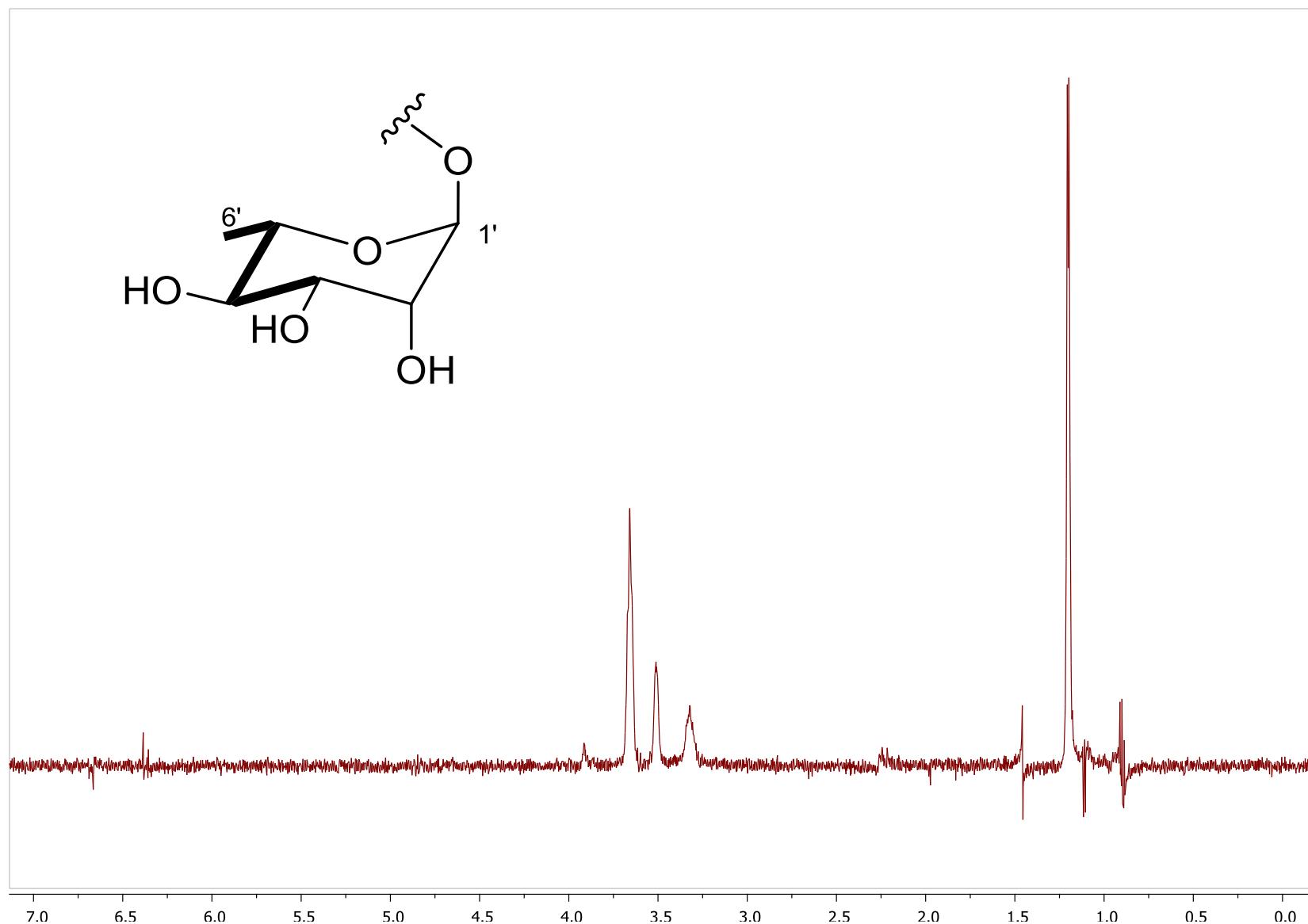


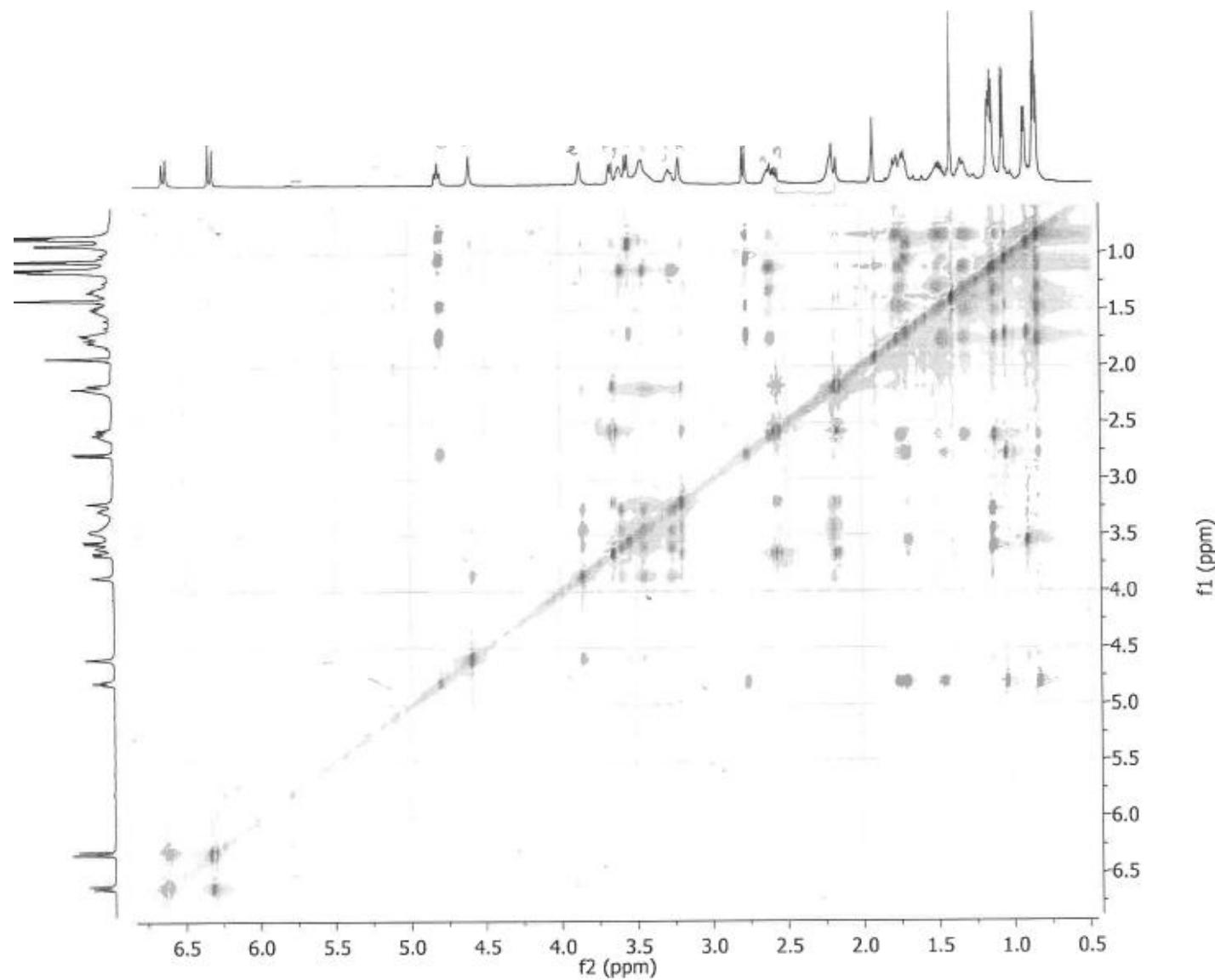
Figure S12. TOCSY spectrum (500 MHz) of juvenimicin C (**1**) in acetonitrile-*d*₃.

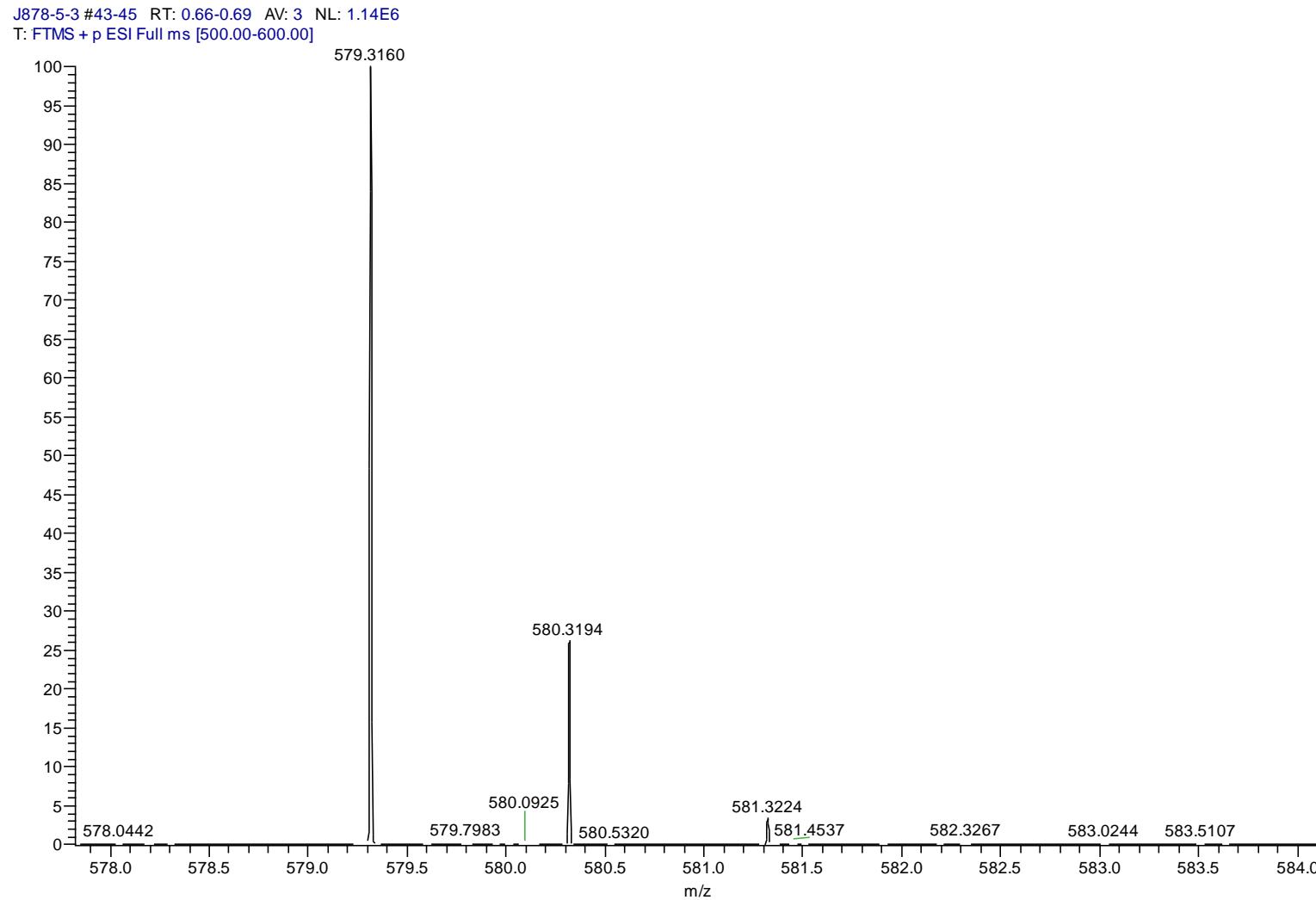
Figure S13. Expanded HR-ESI-FT-MS of juvenimicin C (**1**).

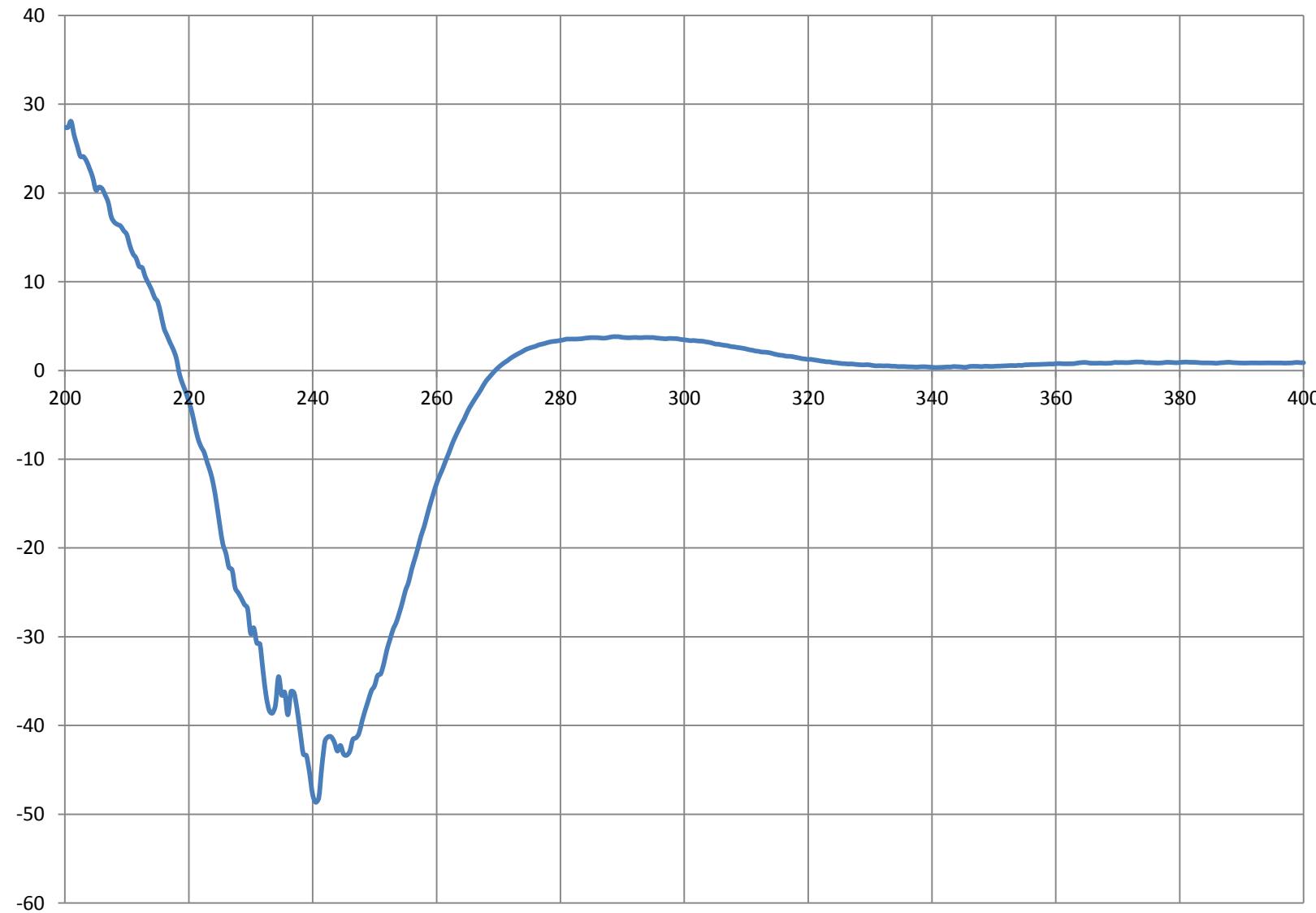
Figure S14. CD spectrum of juvenimicin C (**1**) in methanol.

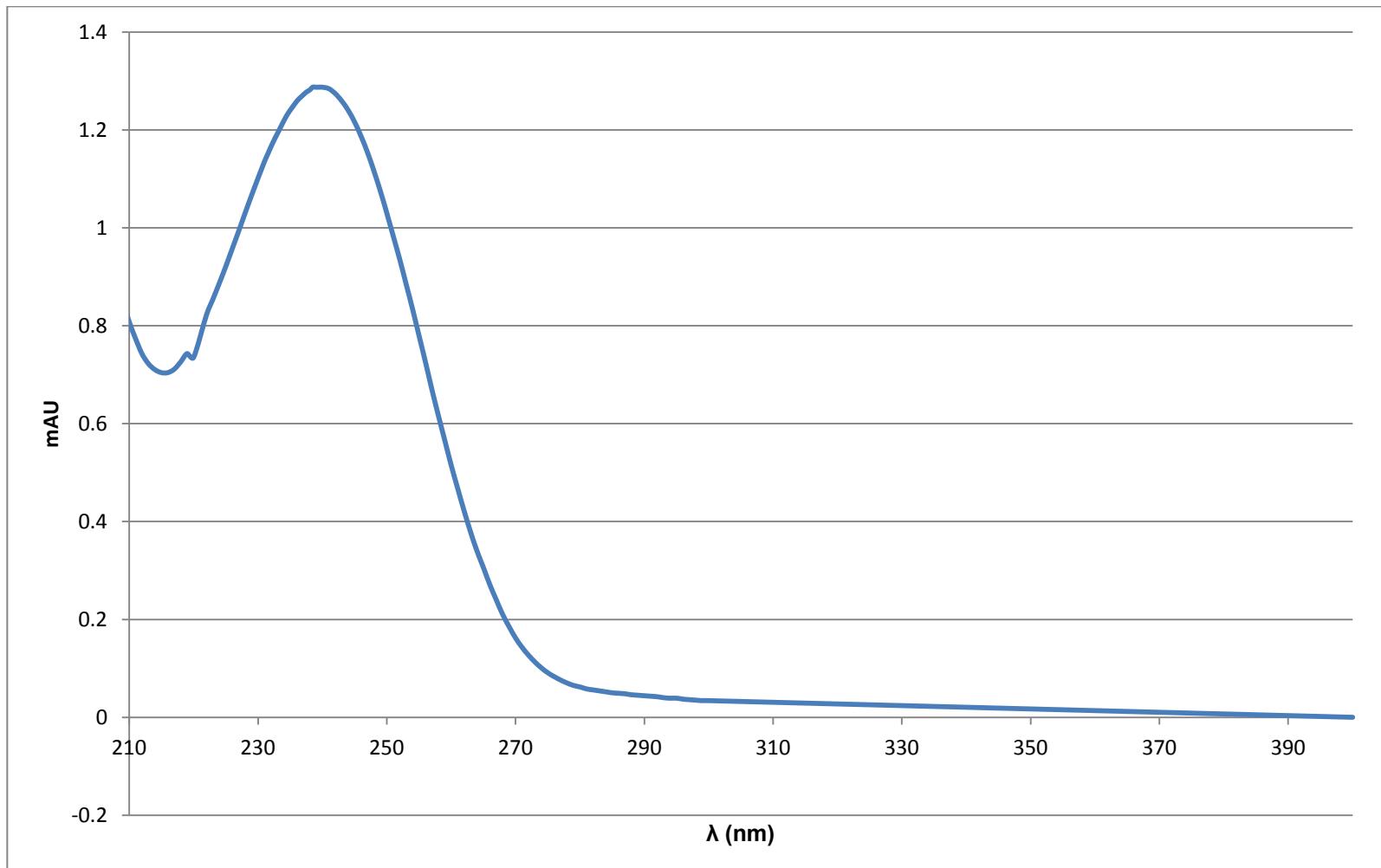
Figure S15. UV spectrum of juvenimicin C (**1**) in methanol.

Figure S16. ^1H -NMR of 5- O - α -L-rhamnosyltylactone (**2**) in acetonitrile- d_3 .

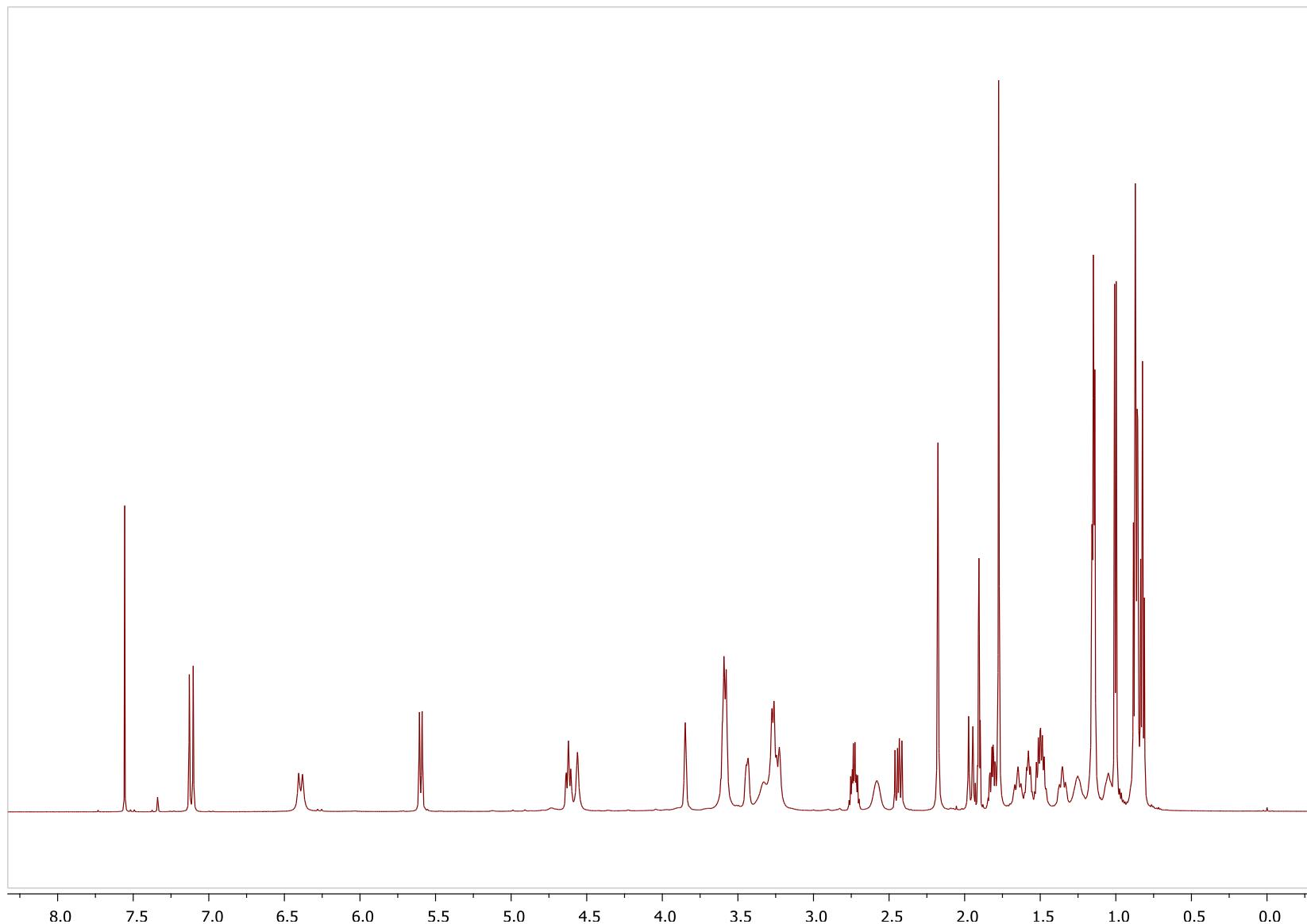


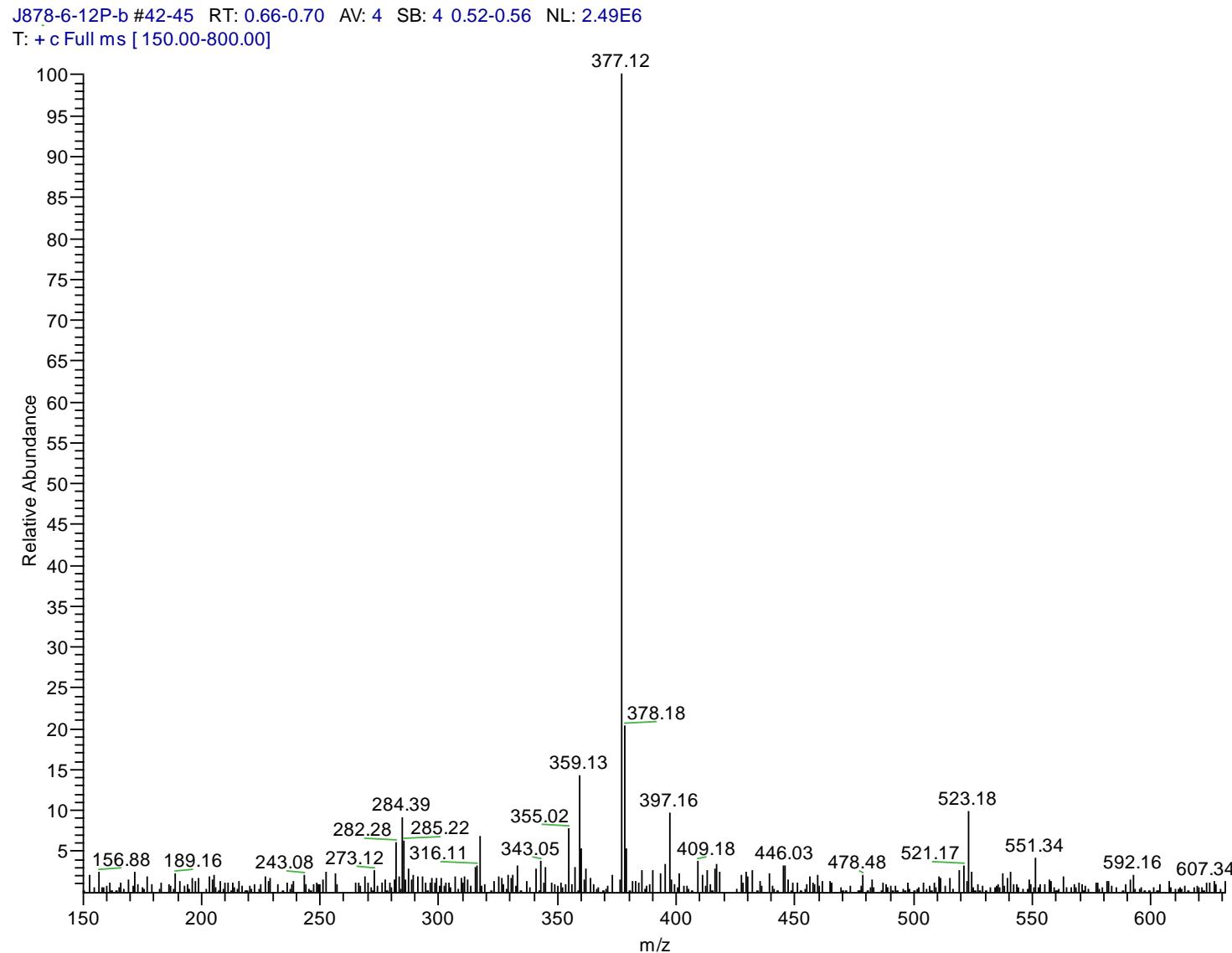
Figure S17. HR-ESI-FT-MS of 5-O- α -L-rhamnosyltylactone (**2**).

Figure S18. Crystal structure of 5-*O*- α -L-rhamnosyltylactone (**2**) depicting absolute stereochemistry.

