Paulomycin G, a new natural product with cytotoxic activity against tumor cell lines produced by a deep-sea sediment derived *Micromonospora matsumotoense* M-412 from the Avilés Canyon in the Cantabrian Sea

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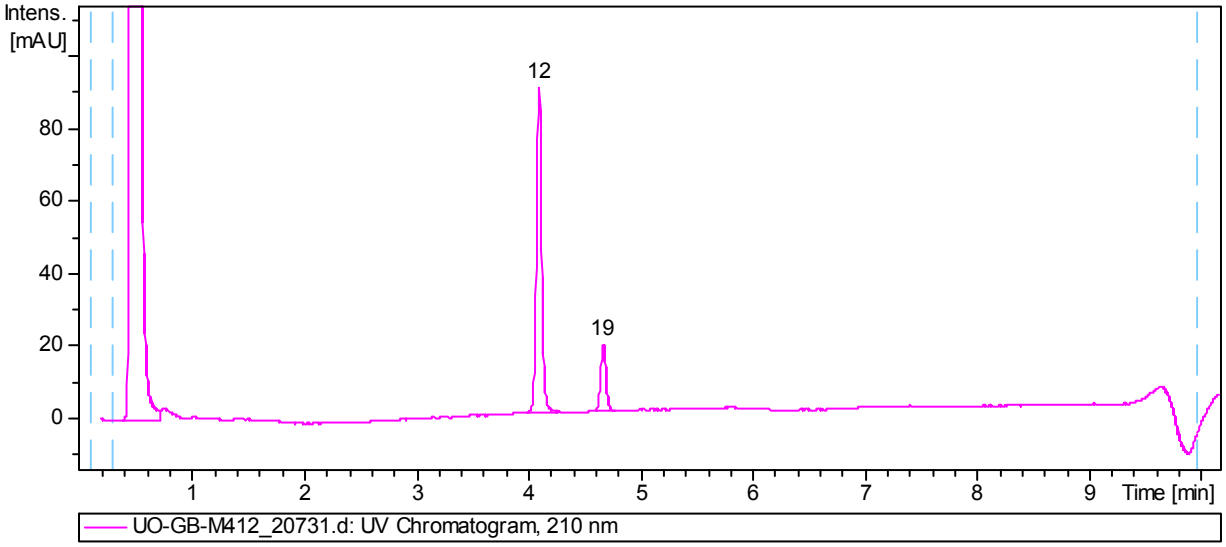
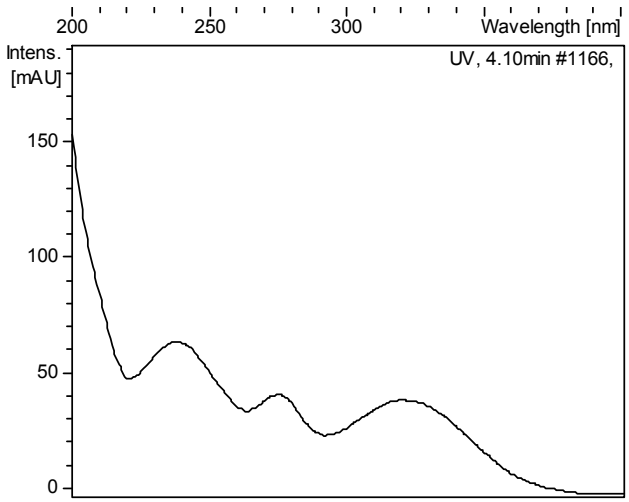
List of supplementary materials



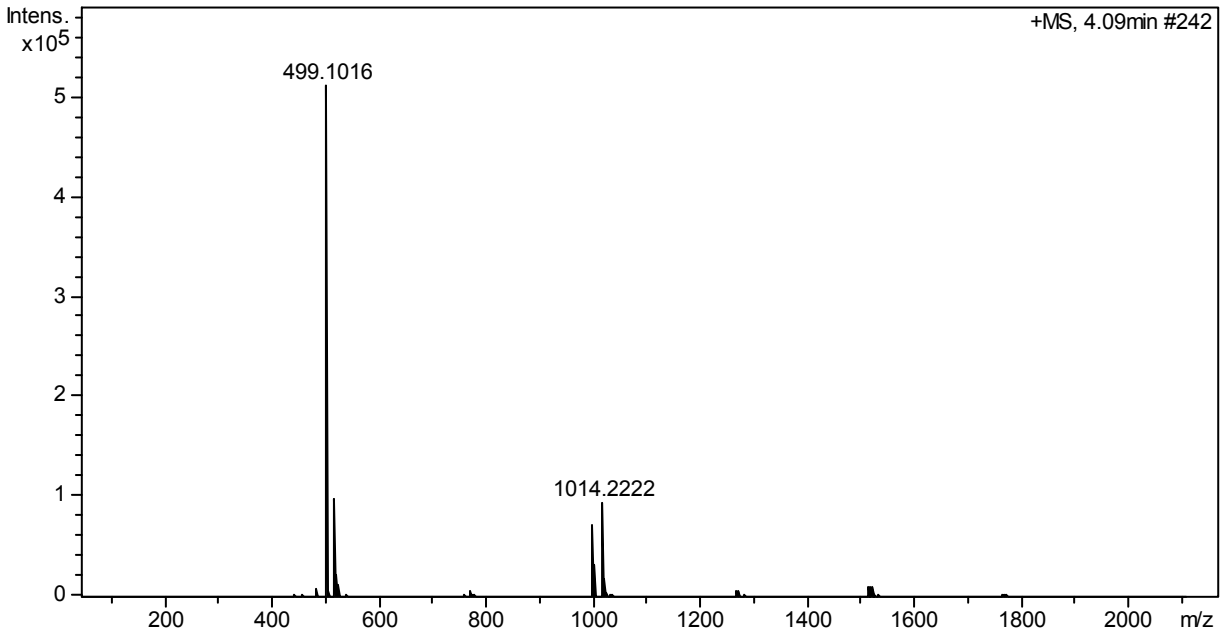
Compound	Peak	RT [min]	Area	% Area
1	12	4.10	293	83.5
2	19	4.66	58	16.5

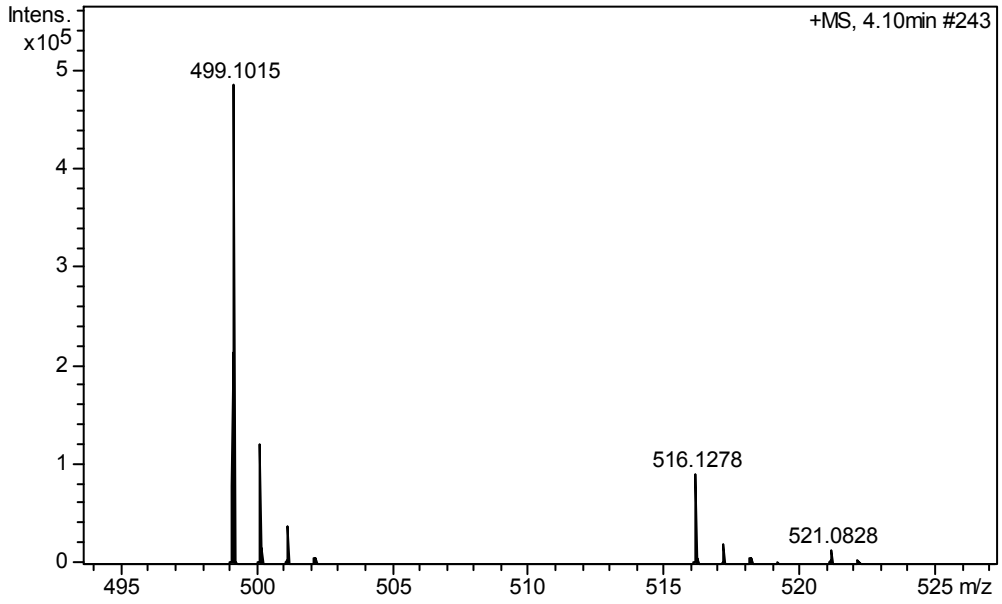
Figure S1. HPLC trace of the sample isolated.



Maxima: 238, 276 and 320nm

Figure S2. UV spectrum of compound **1**.





$C_{20}H_{23}N_2O_{11}S^+$: calc= 499.101707; exp= 499.1015; err=-0.4 ppm
$C_{20}H_{26}N_3O_{11}S^+$: calc= 516.128256; exp=516.1278; err=-0.9 ppm
$C_{20}H_{22}N_2O_{11}SNa^+$: calc= 521.083651; exp=521.0828; err=-1.6 ppm

Figure S3. ESI TOF spectra of compound **1**.

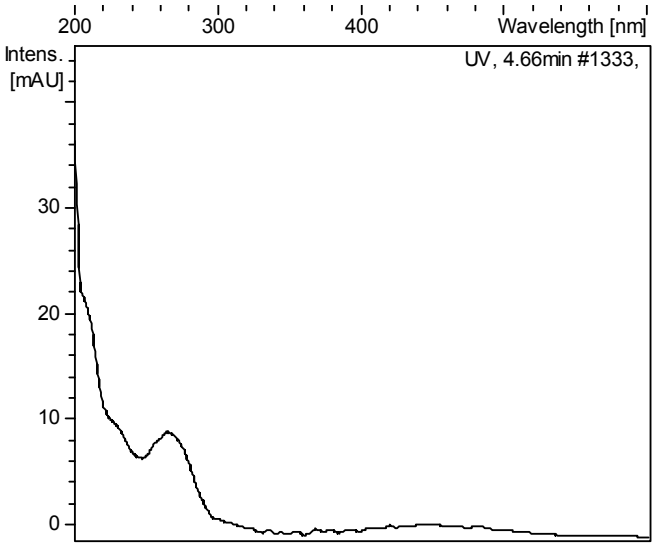
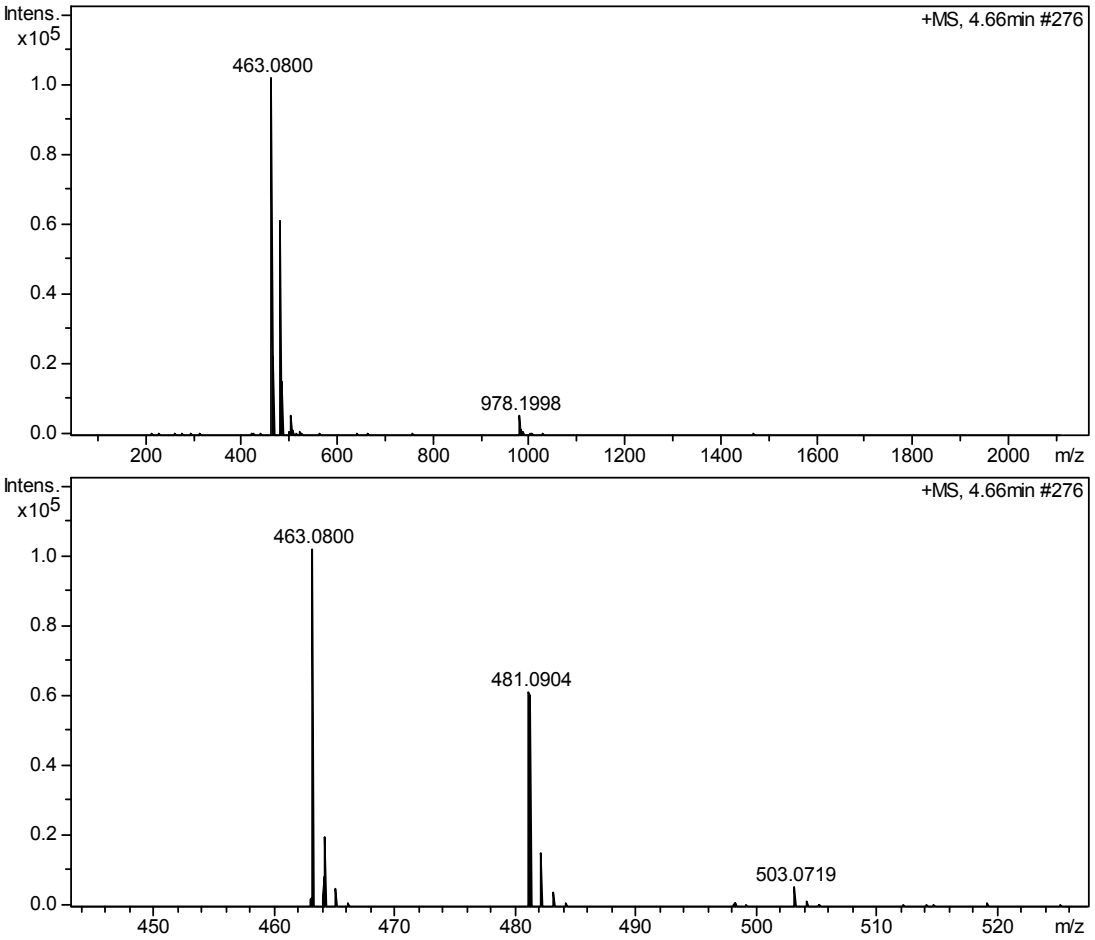


Figure S4. UV spectrum of compound **2**.



$C_{20}H_{21}N_2O_{10}S^+$: calc= 481.091142; exp= 481.0904; err=-1.5 ppm
$C_{20}H_{19}N_2O_9S^+$: calc= 463.080577; exp=463.0800; err=-1.2 ppm
$C_{20}H_{22}N_2O_{10}SNa^+$: calc= 503.073087; exp=503.0719; err=-2.4 ppm

Figure S5. ESI TOF spectra of compound **2**.

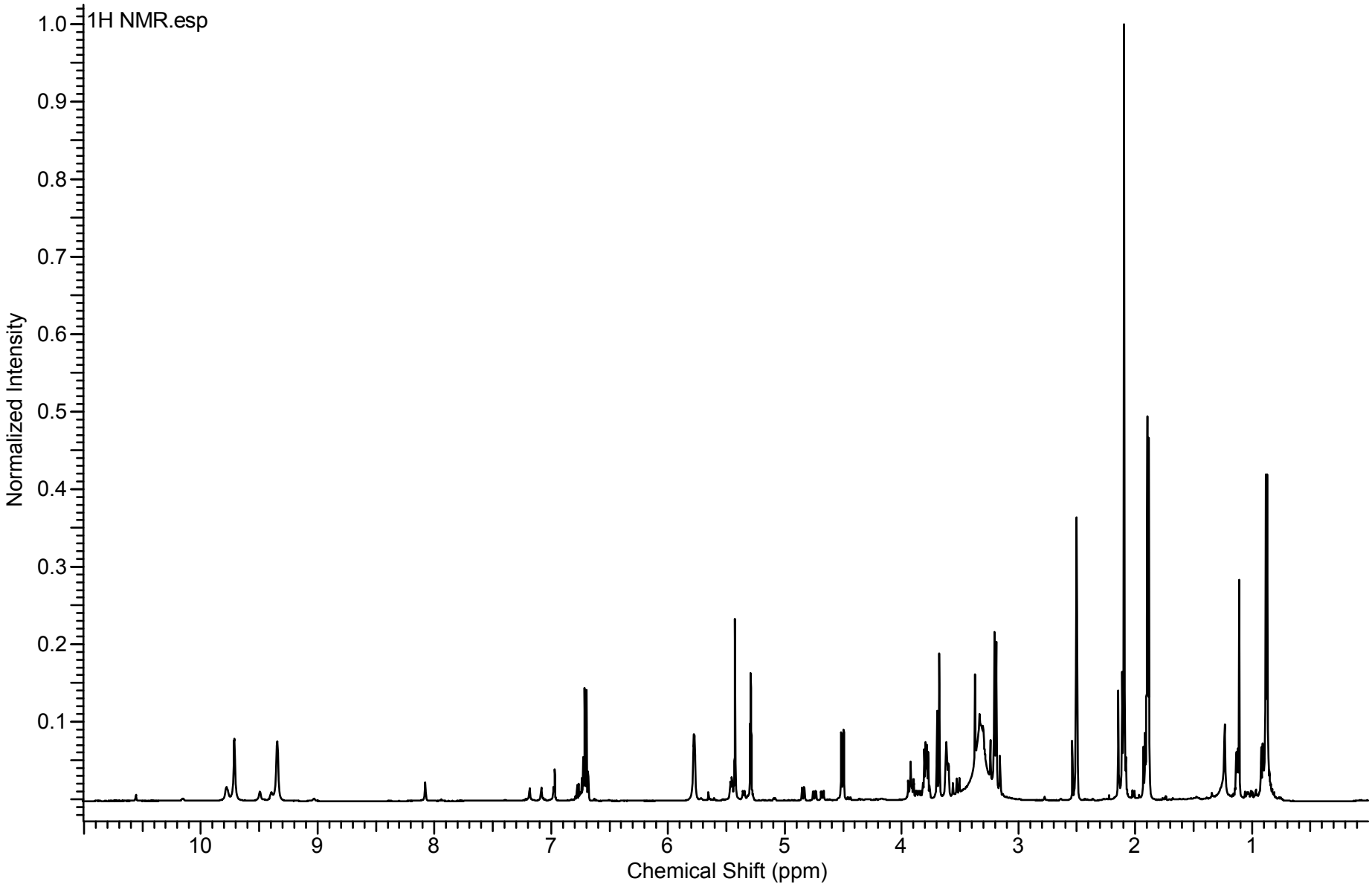


Figure S6. ^{1}H NMR (DMSO-d_6, 500 MHz) of compound **1**.

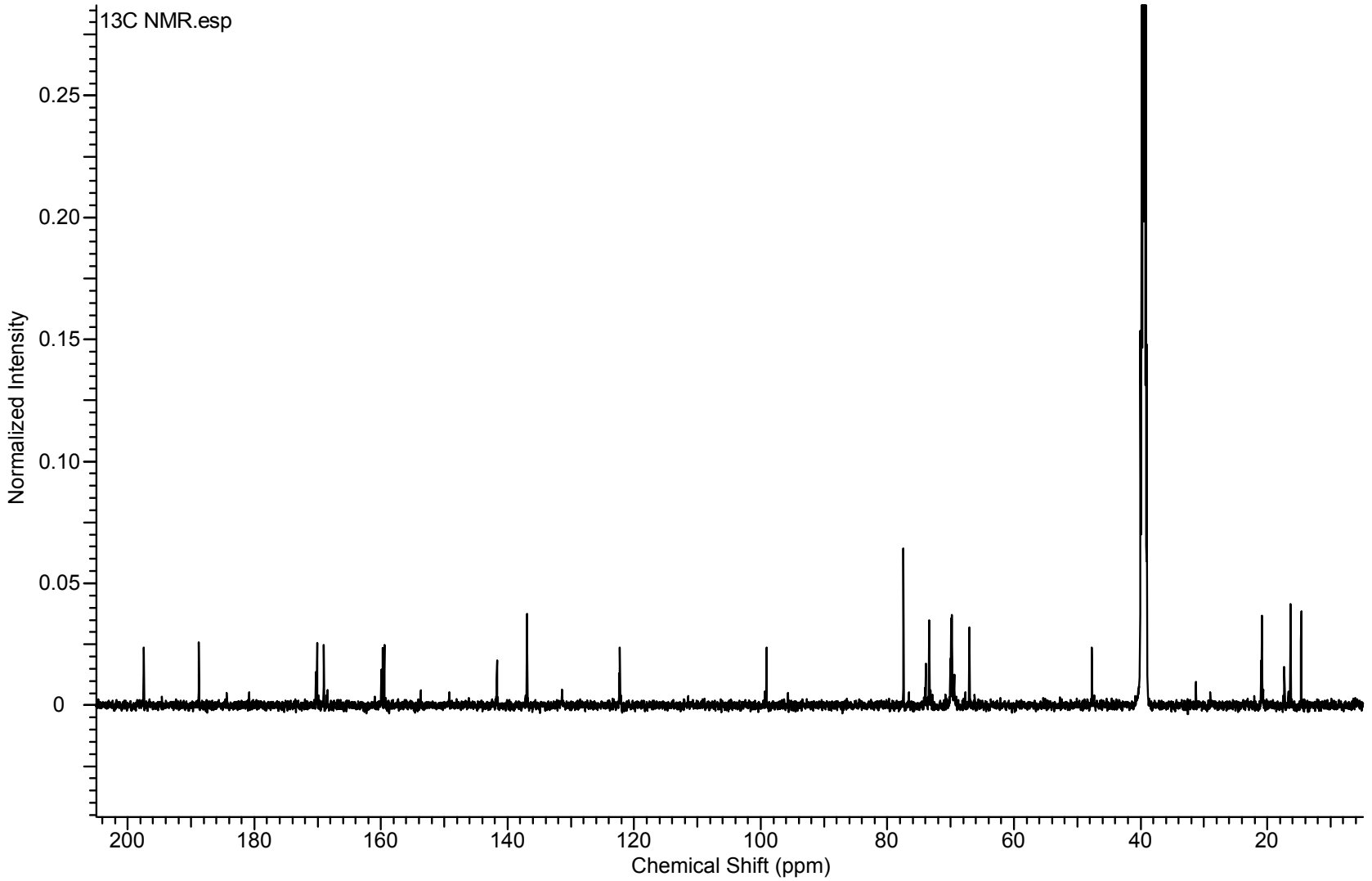


Figure S7. ^{13}C NMR (DMSO-d_6, 125 MHz) of compound **1**.

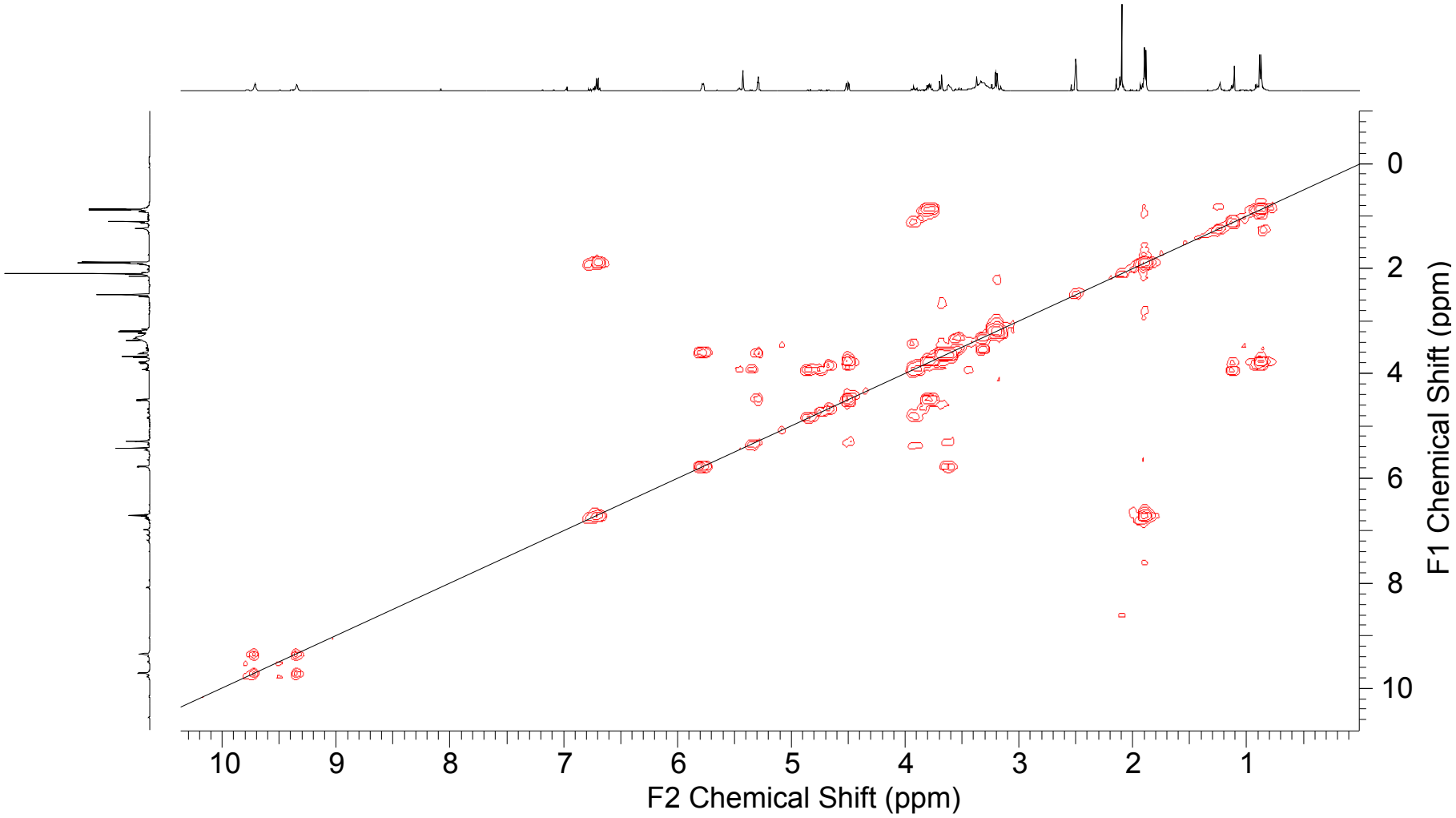


Figure S8. COSY spectrum (DMSO-d_6) of compound **1**.

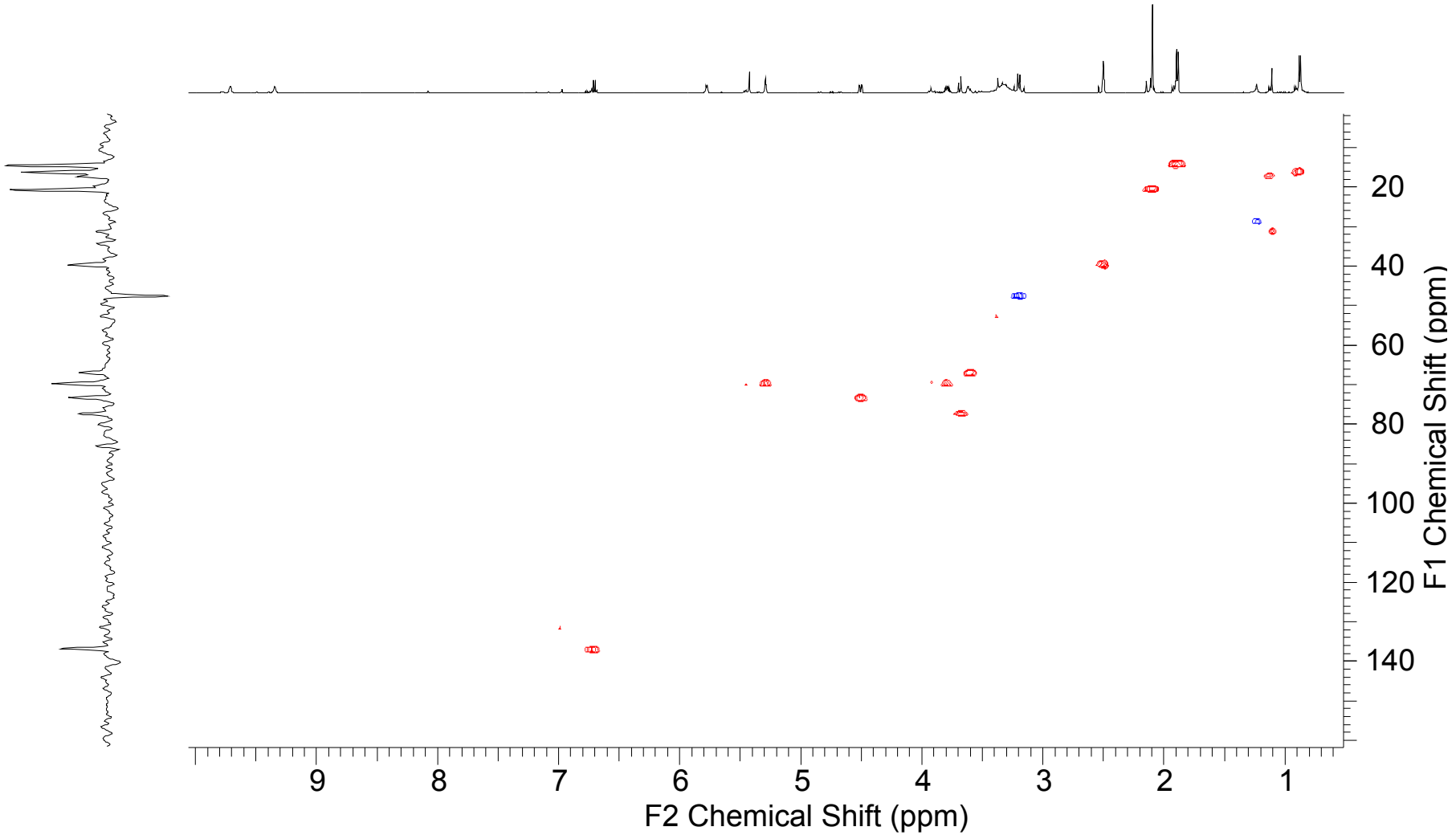


Figure S9. HSQC spectrum (DMSO-d_6) of compound **1**.

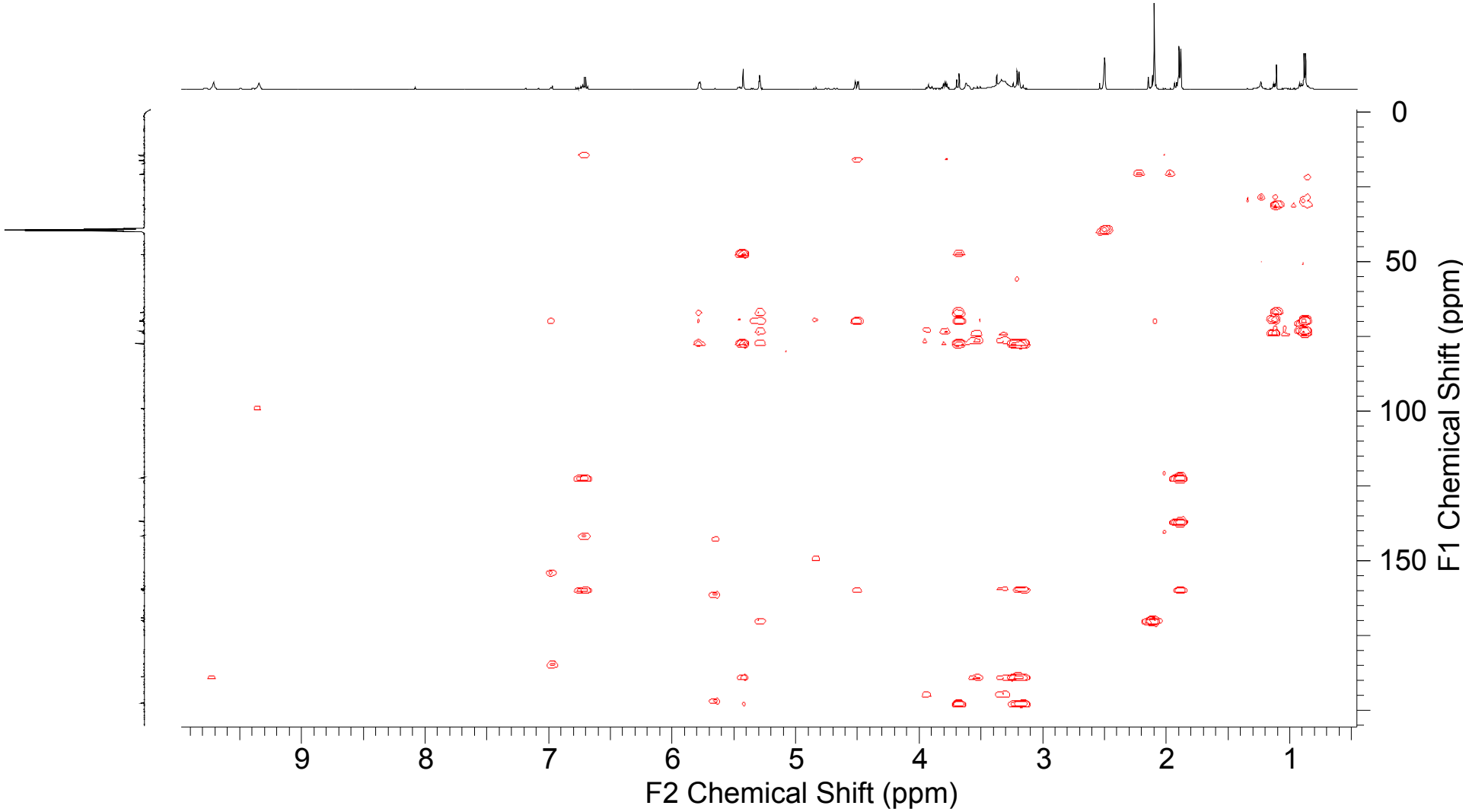


Figure S10. HMBC spectrum (DMSO-d_6) of compound **1**.

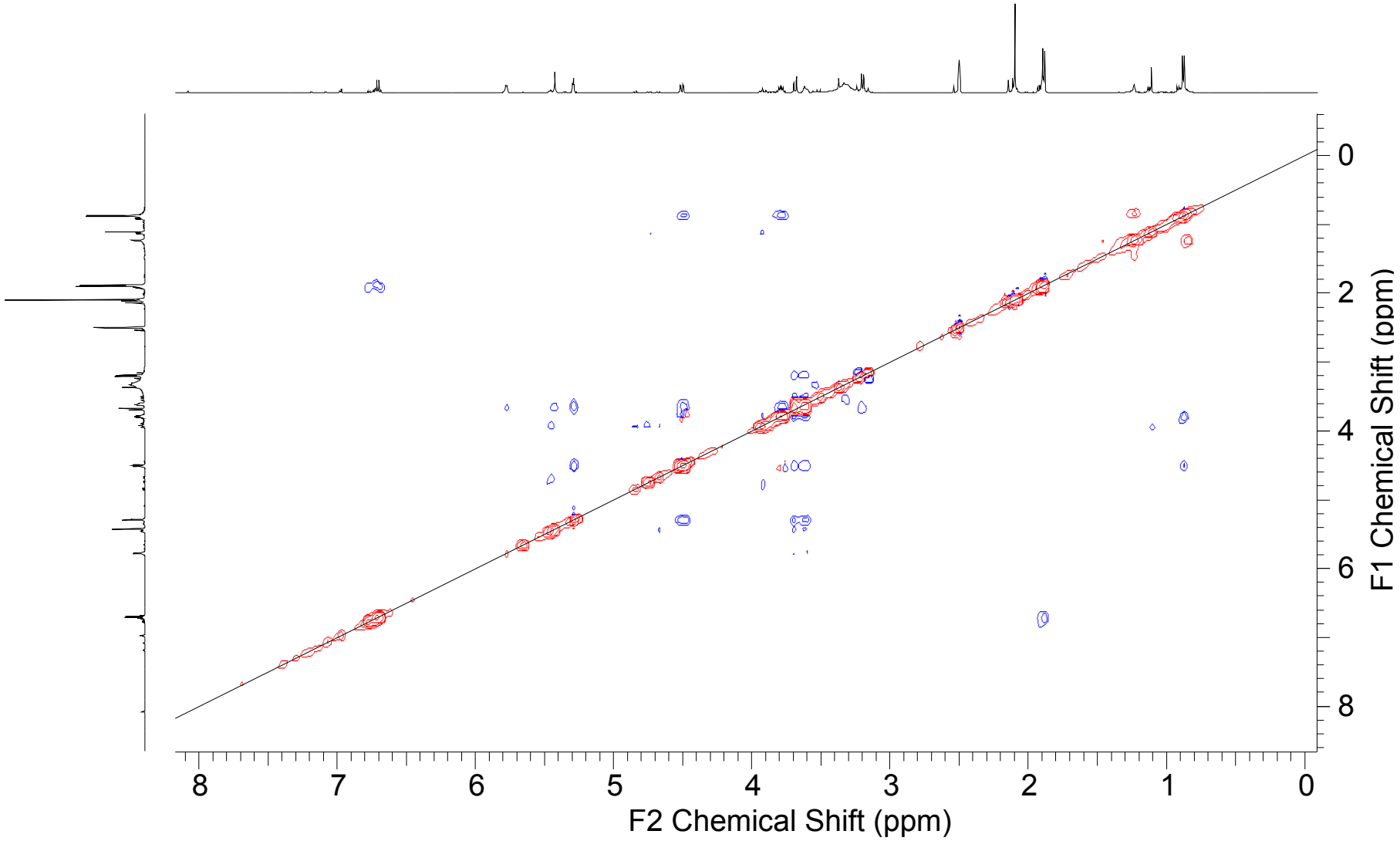


Figure S11. ROESY spectrum (DMSO-d_6) of compound **1**

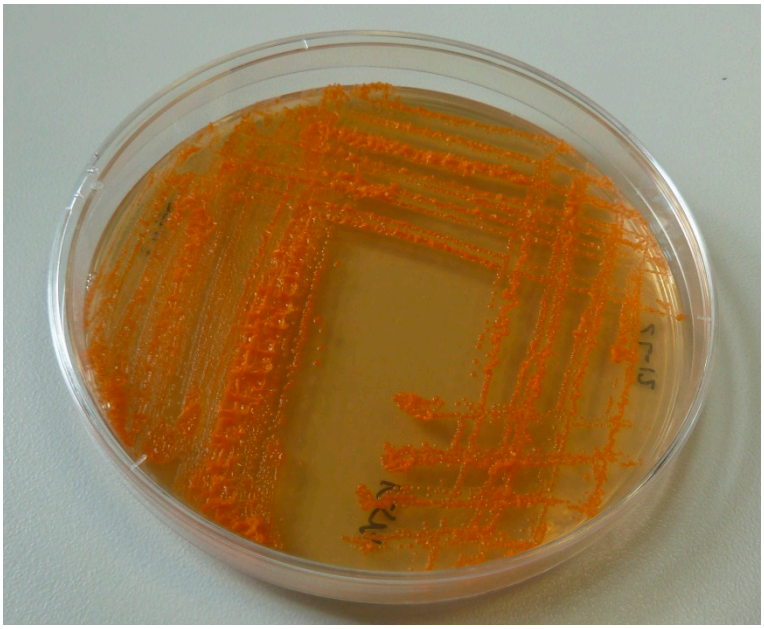


Figure S12. Picture of *Micromonospora matsumotoense* M-412.