Electronic Supplementary Information

Discovery of semisynthetic derivatives of (*R*)- and (*S*)-usnic acids as potential antifungal agents against *C. tropicalis* and *T. rubrum*.

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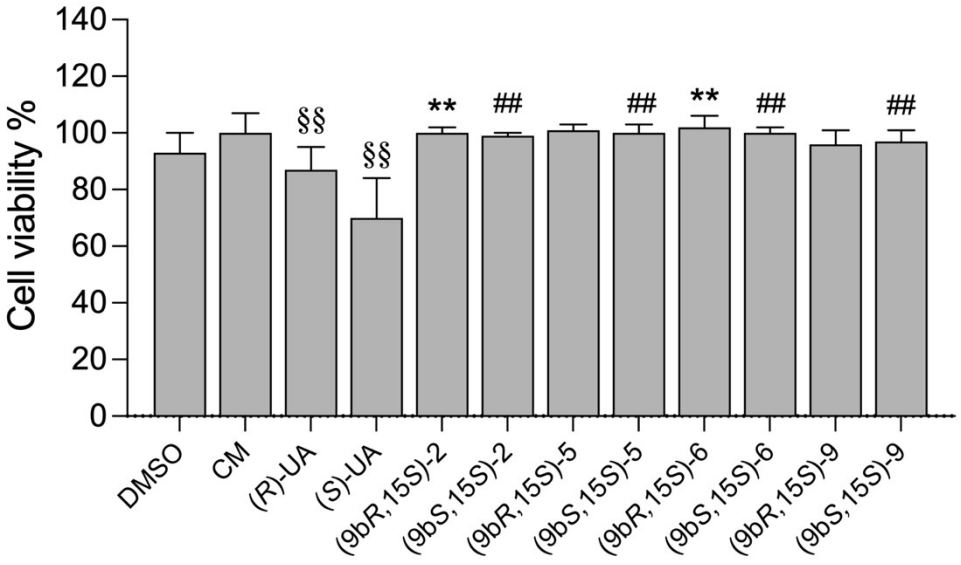


Figure S1. Cell viability values % obtained after 24 hours of contact with the cellular substrate for samples **2**, **5**, **6**, and **9** at **50 μM**. DMSO, subjected to the same dilution of the stock solution, was used as a control. Mean values ± sd (n=4). ANOVA A one-way Multiple Range Test ($p < 0.01$), with ** ($p < 0.01$) vs. (R)-UA, ## ($p < 0.01$) vs (S)-UA, and §§ ($p < 0.01$) vs culture medium (CM).

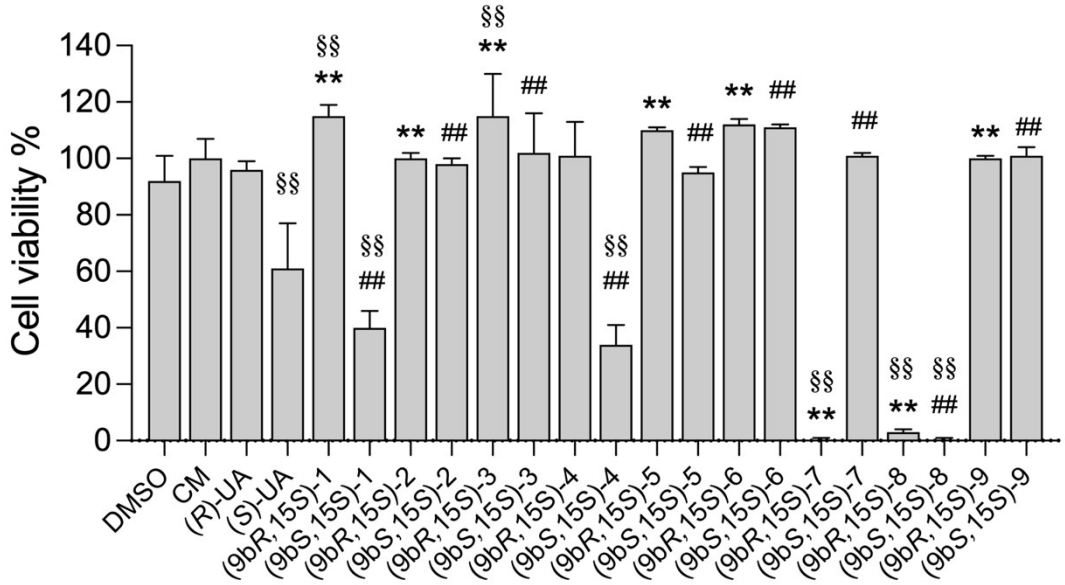
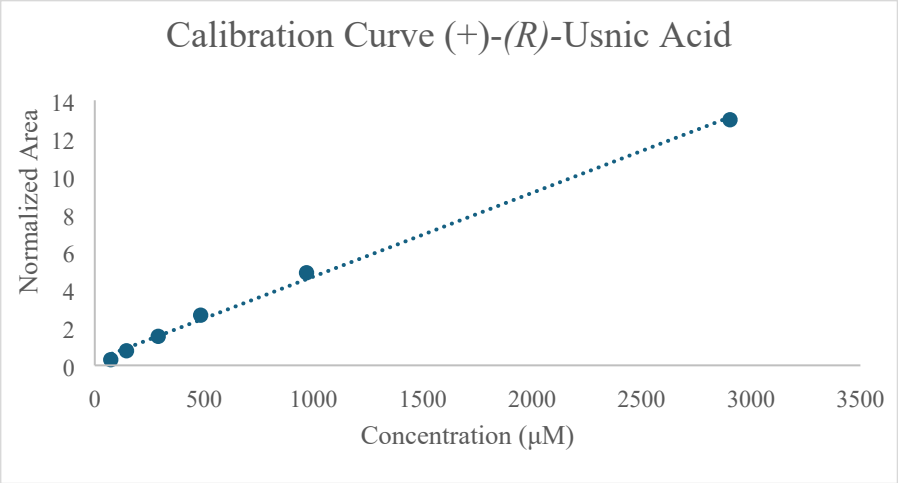


Figure S2. Cell viability values % obtained after 24 hours of contact with the cellular substrate for all samples at **125 μM**. DMSO, subjected to the same dilution of the stock solution, was used as a control. Mean values ± sd (n=4). ANOVA A one-way Multiple Range Test ($p < 0.01$), with ** ($p < 0.01$) vs. (R)-UA, ## ($p < 0.01$) vs (S)-UA, and §§ ($p < 0.01$) vs culture medium (CM).



LOD (µM)	0.54
LOQ (µM)	61.12

Figure S3. Six-point calibration curve of (*R*)-**UA**.

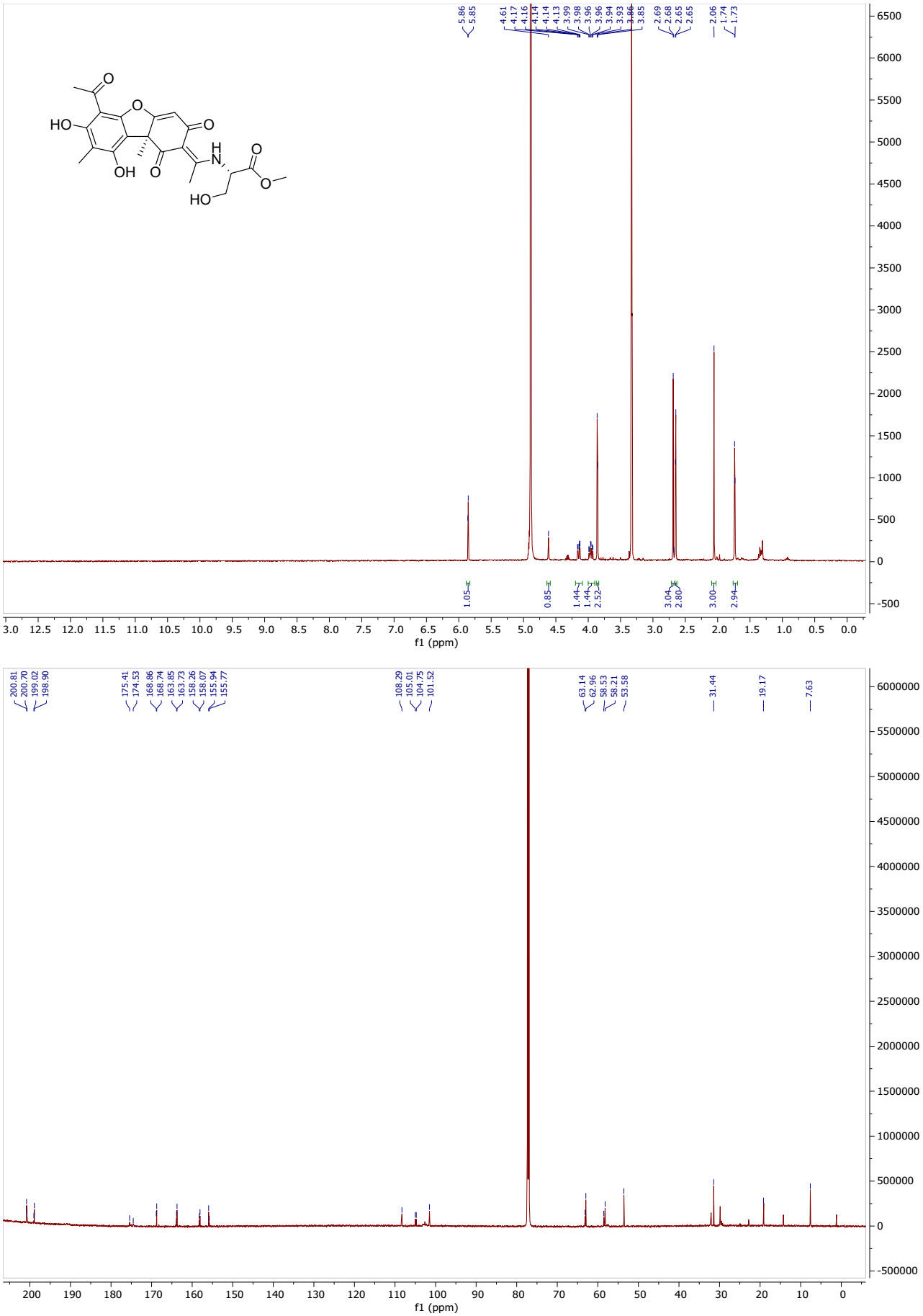


Figure S4. ^{1}H and ^{13}C NMR spectra of compound **(9b*S*,15*S*)-1**.

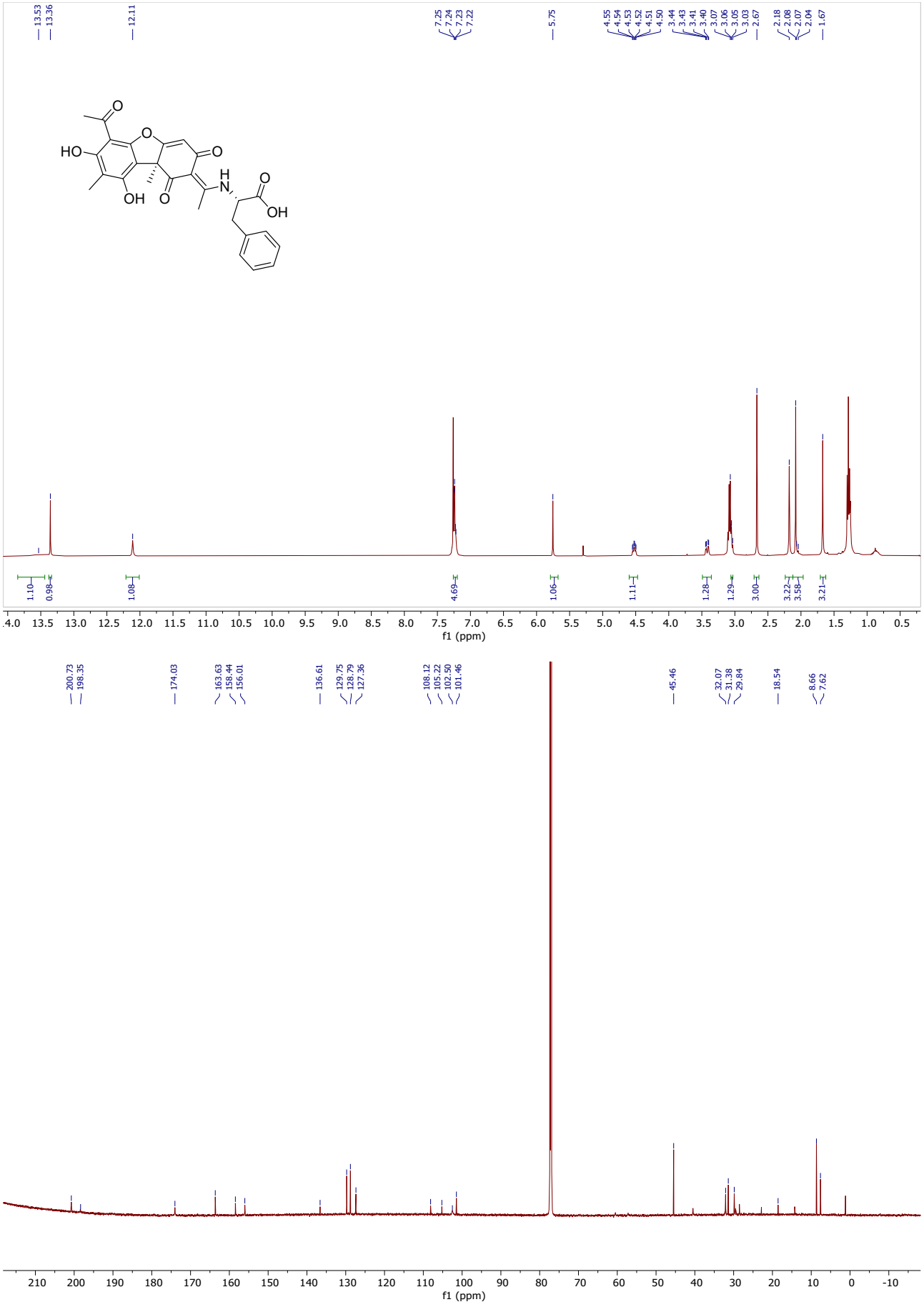


Figure S5. ^{1}H and ^{13}C NMR spectra of compound **(9b*S*,15*S*)-3**.

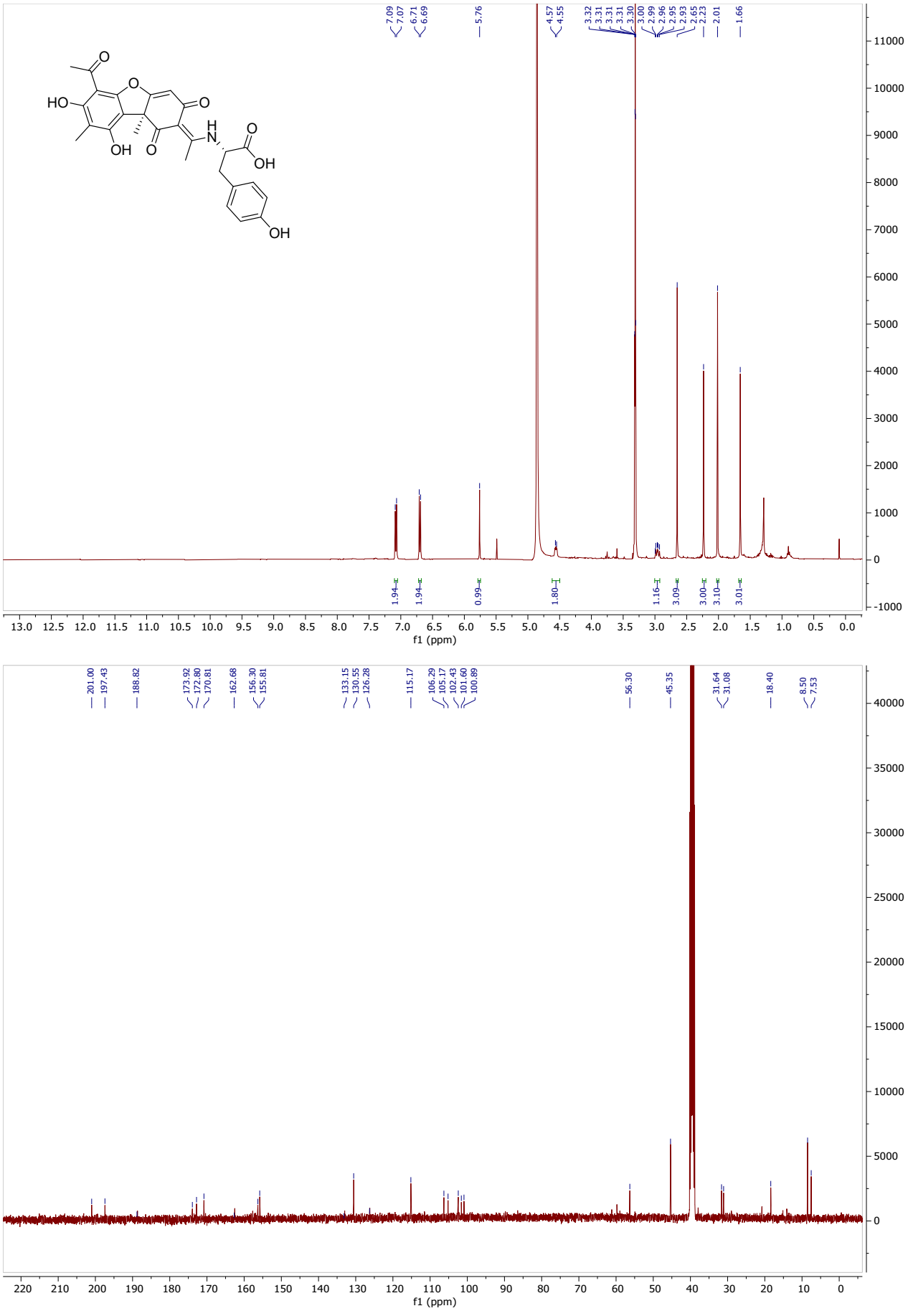


Figure S6. ^{1}H and ^{13}C NMR spectra of compound **(9b*S*,15*S*)-4**.

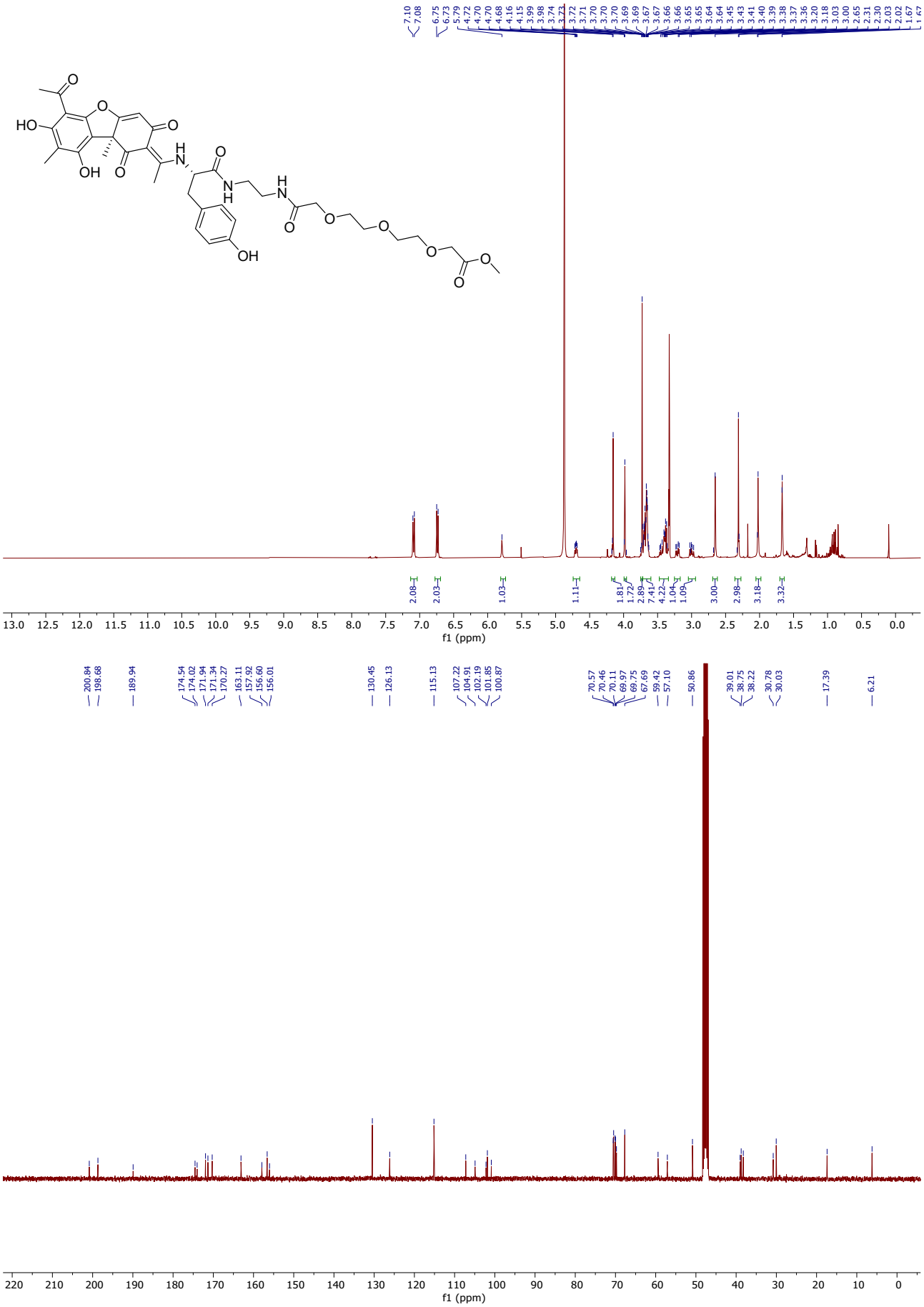
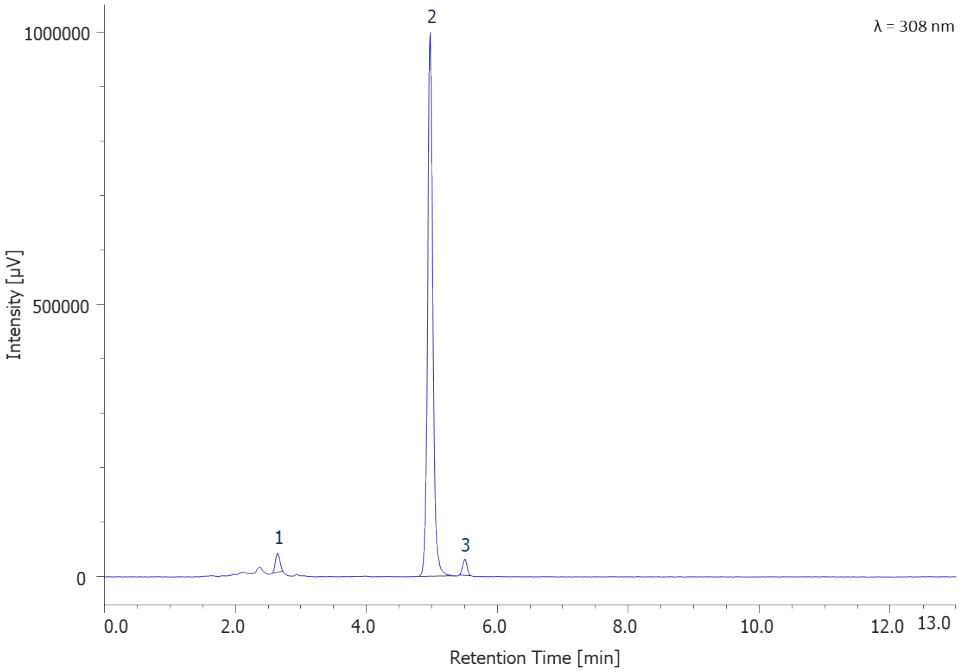
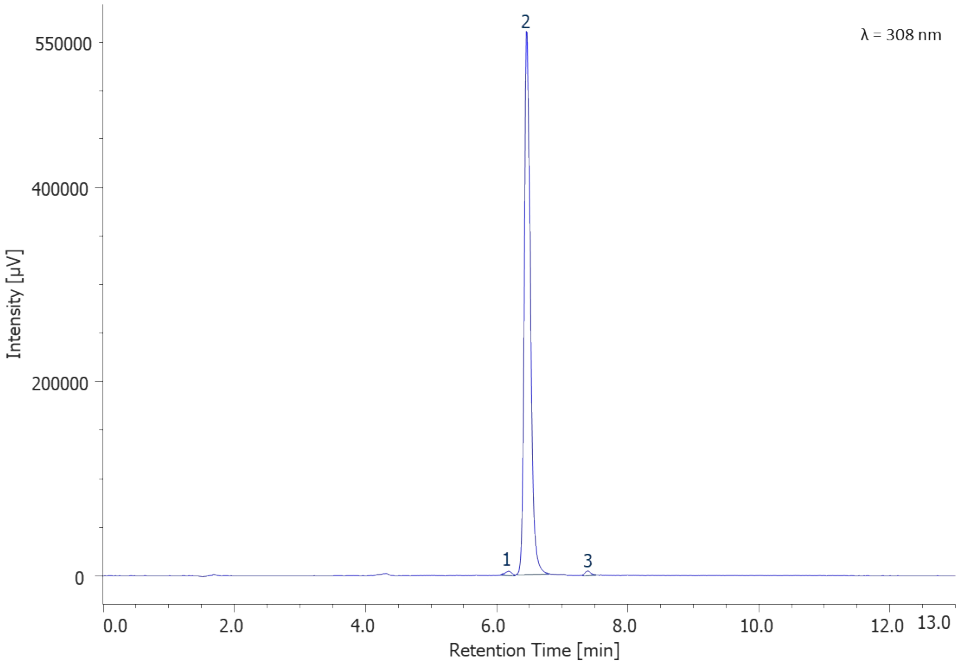


Figure S7. ^{1}H and ^{13}C NMR spectra of compound **(9b*S*,15*S*)-8**.



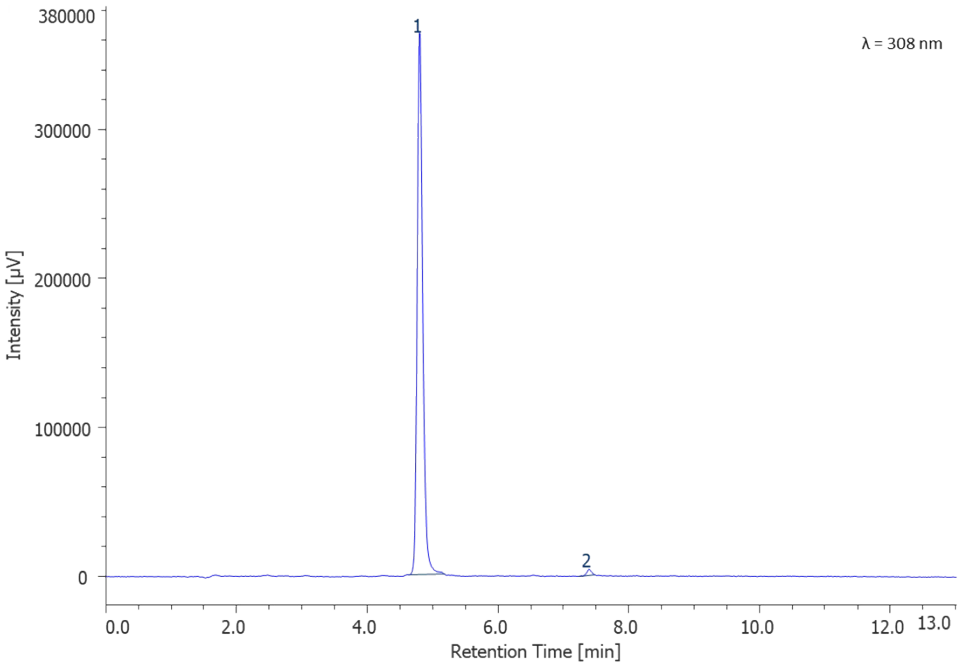
Peak #	tR	Area%
1	2.640	2.638
2	4.973	95.100
3	5.493	2.262

Figure S8. HPLC-UV chromatogram of compound **(9b*S*,15*S*)-1**.



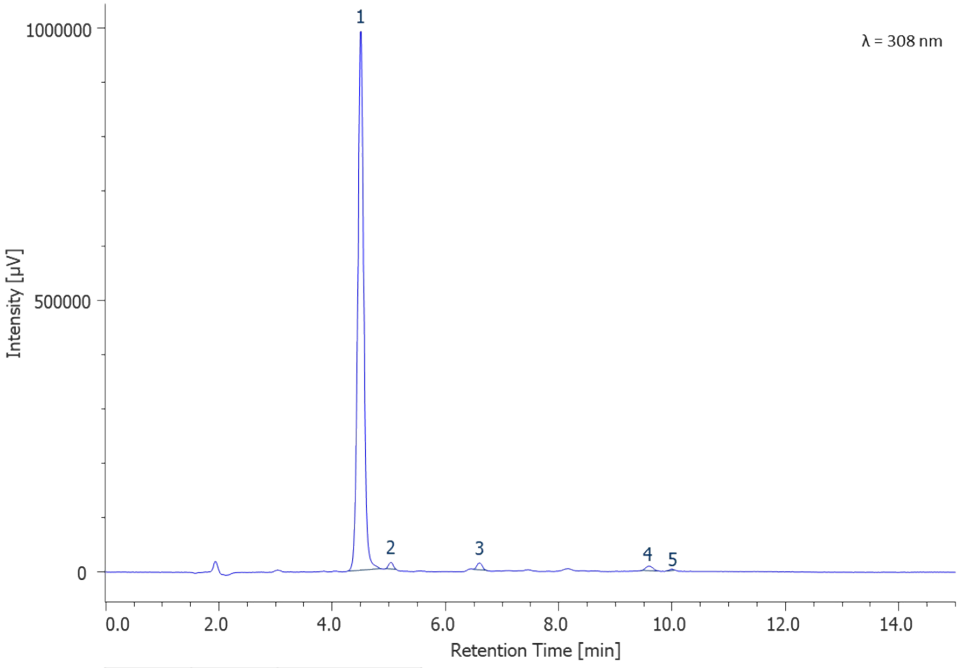
Peak #	tR	Area%
1	6.187	0.616
2	6.467	98.823
3	7.387	0.560

Figure S9. HPLC-UV chromatogram of compound **(9b*S*,15*S*)-3**.



Peak #	tR	Area%
1	6.187	0.174
2	6.427	99.826

Figure S10. HPLC-UV chromatogram of compound **(9b*S*,15*S*)-4**.



Peak #	tR	Area%
1	4.493	96.786
2	5.027	0.985
3	6.600	1.096
4	9.587	1.018
5	10.000	0.115

Figure S11. HPLC-UV chromatogram of compound **(9b*S*,15*S*)-8**.