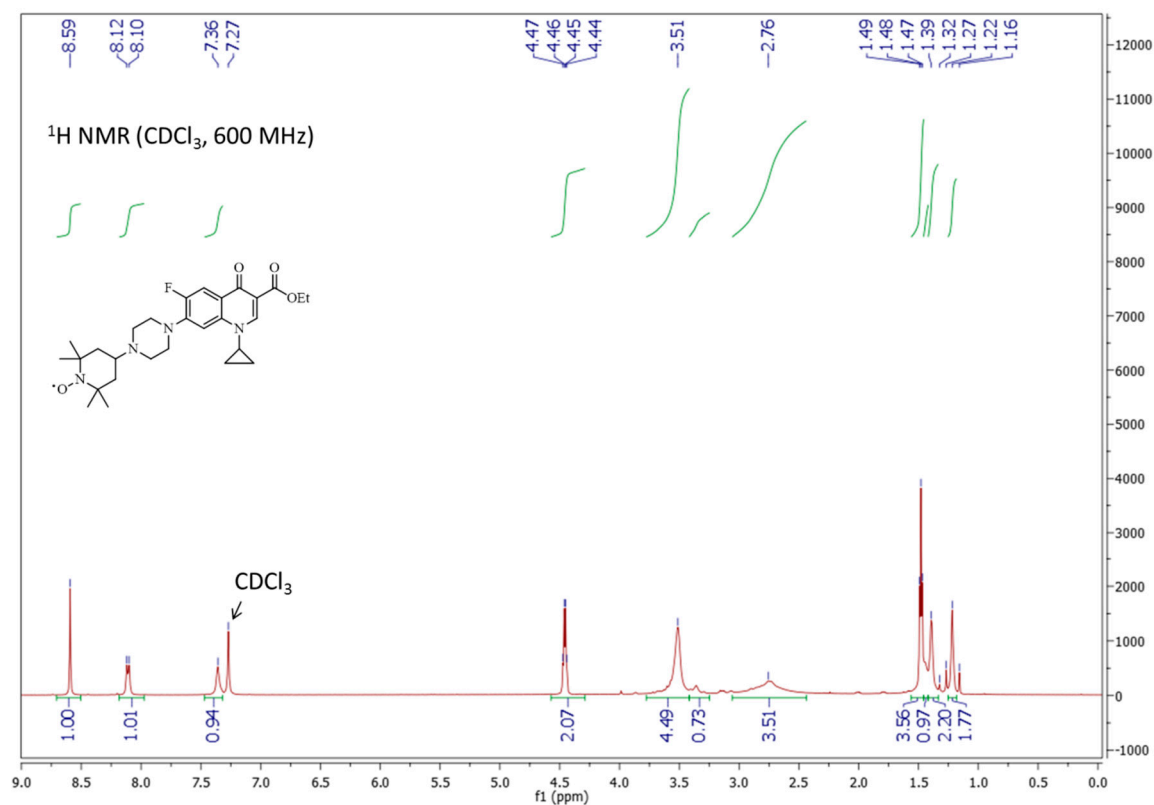
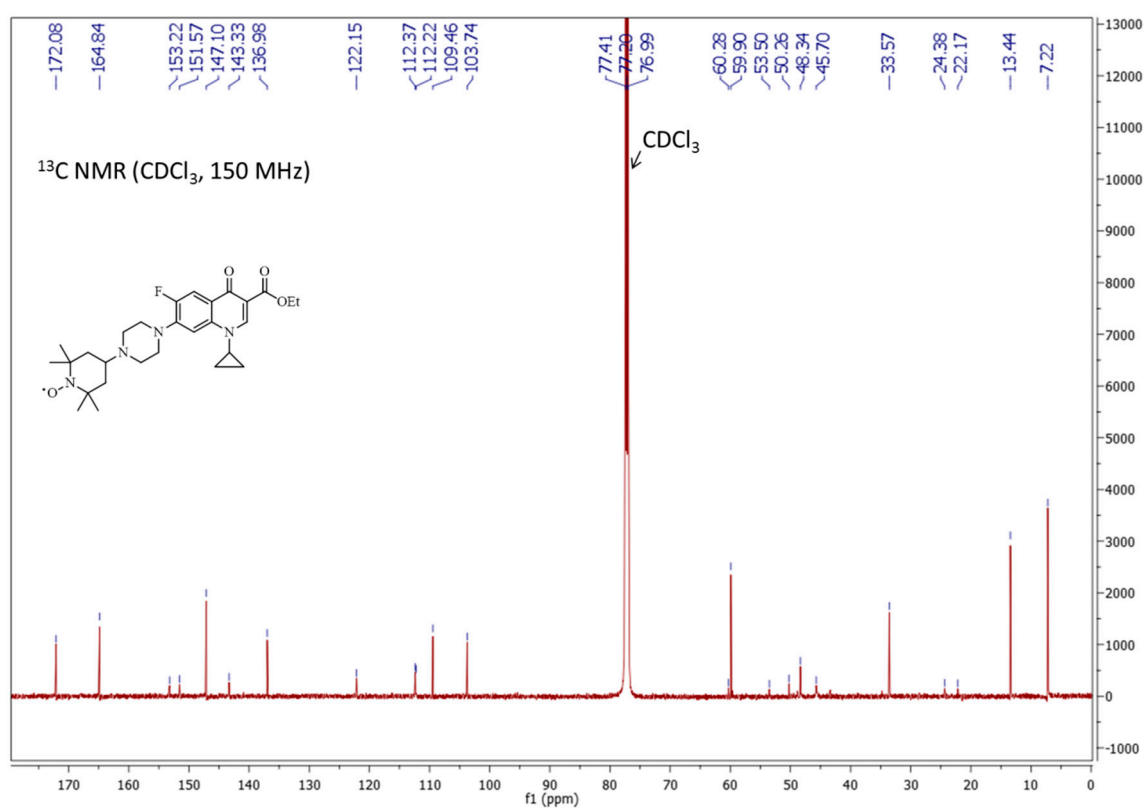


Supplementary Materials: Synthesis and Evaluation of Ciprofloxacin-Nitroxide Conjugates as Anti-Biofilm Agents

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Figure S1. ¹H-NMR spectrum of 8.Figure S2. ¹³C-NMR spectrum of 8.

Column Type: Agilent C18 column (4.6 × 250 mm, 5 μm).

Flow Rate: 1 mL/min.

Solvent Composition: (MeOH:H₂O, 80:20).

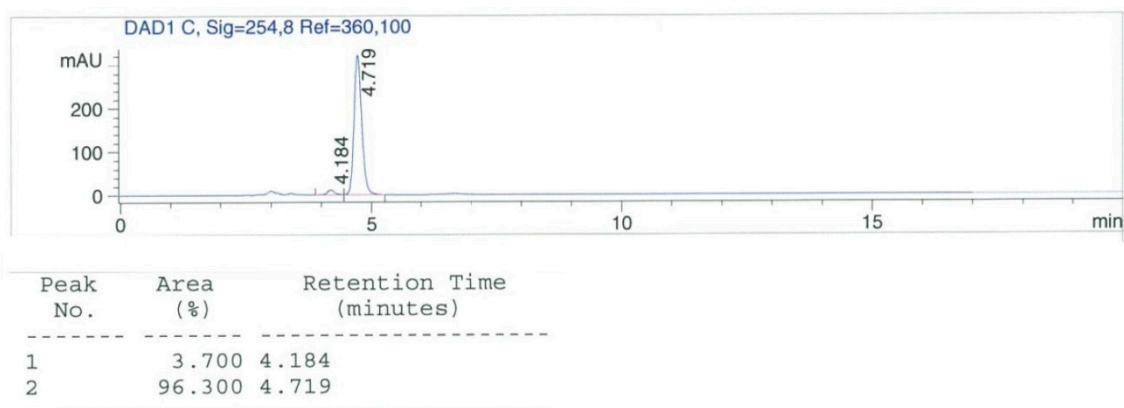


Figure S3. HPLC chromatogram of 8.

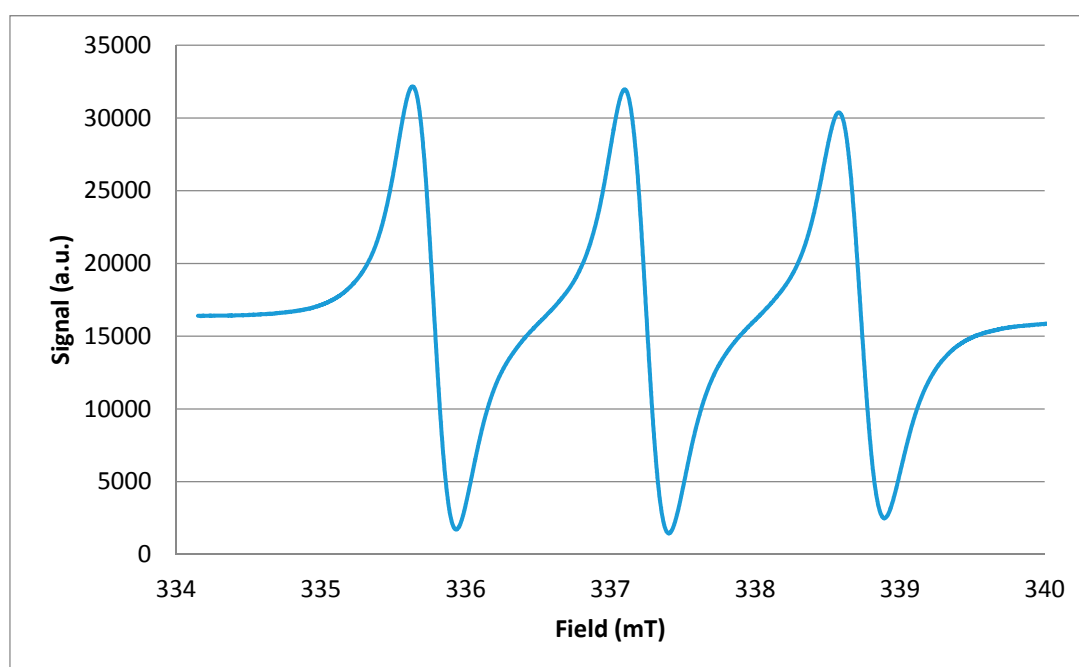
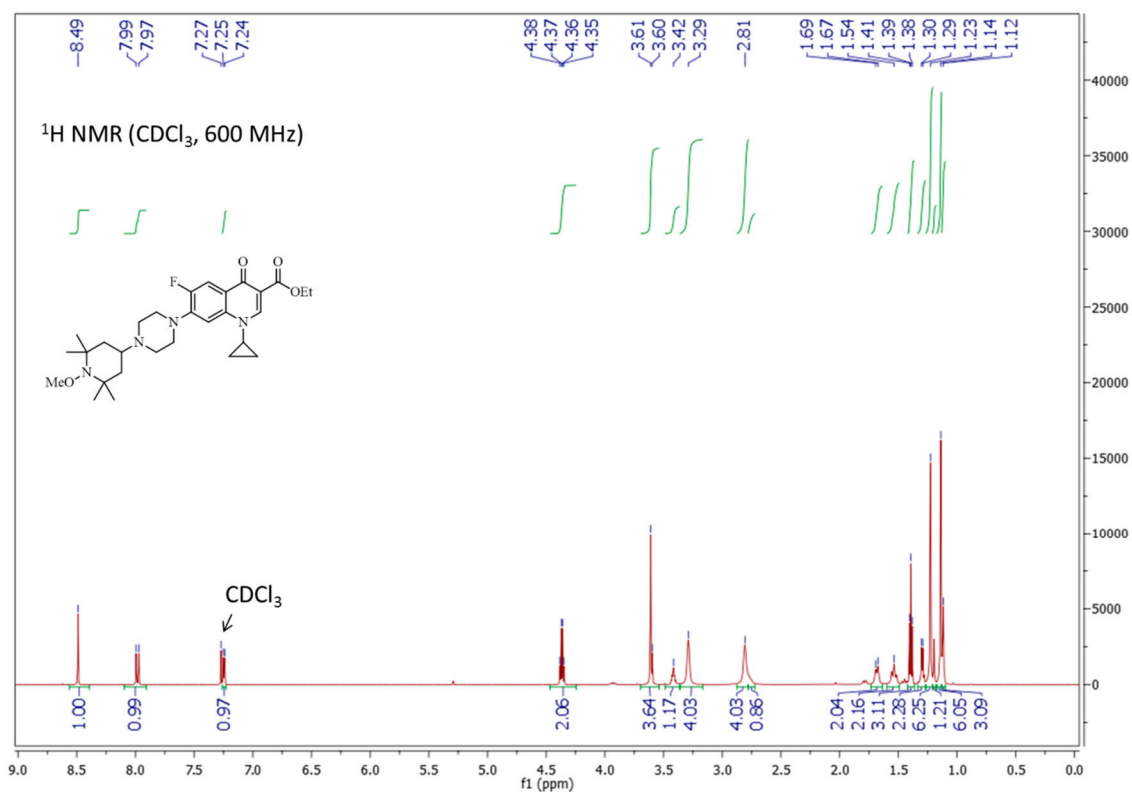
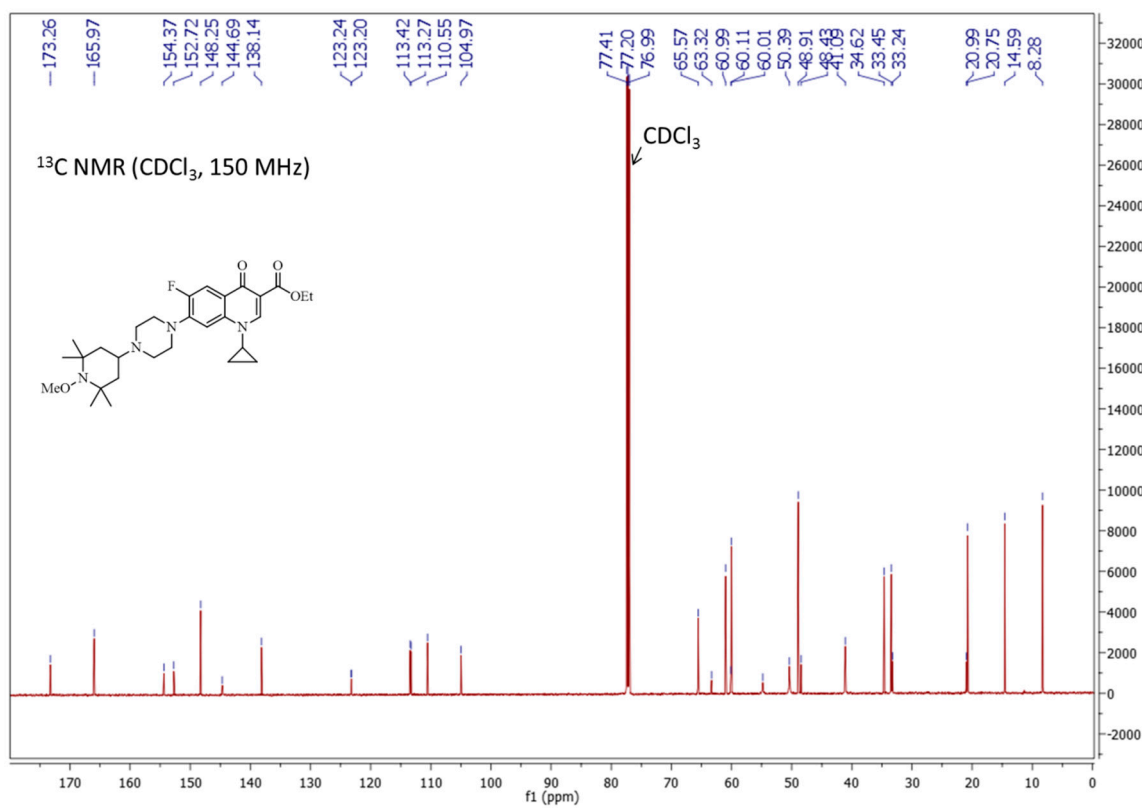


Figure S4. EPR spectrum of 8.

Figure S5. ¹H-NMR spectrum of 9.Figure S6. ¹³C-NMR spectrum of 9.

Column Type: Agilent C18 column (4.6 × 250 mm, 5 μm).

Flow Rate: 1 mL/min.

Solvent Composition: (MeOH:H₂O, 80:20).

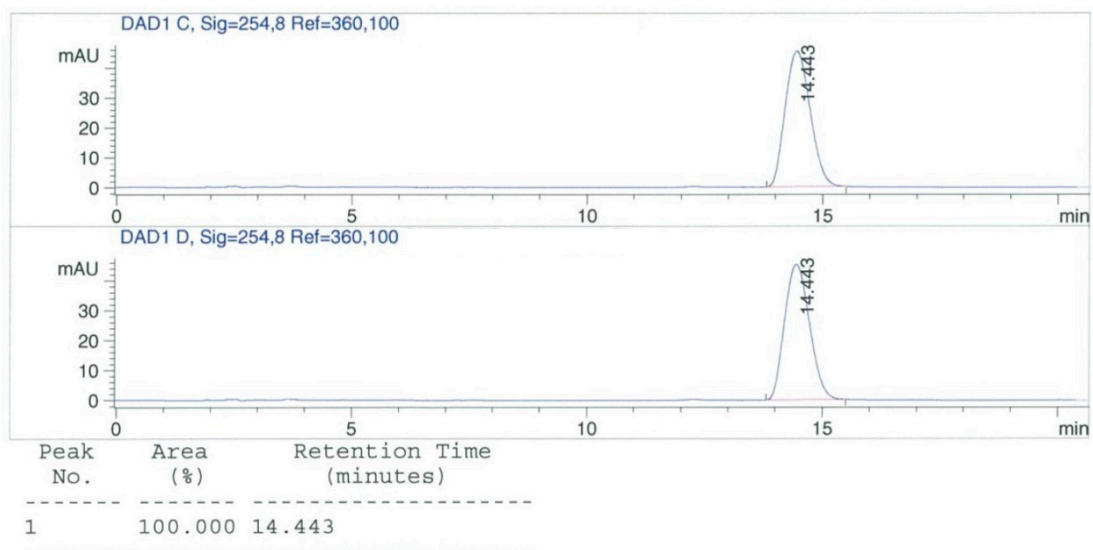


Figure S7. HPLC chromatogram of 9.

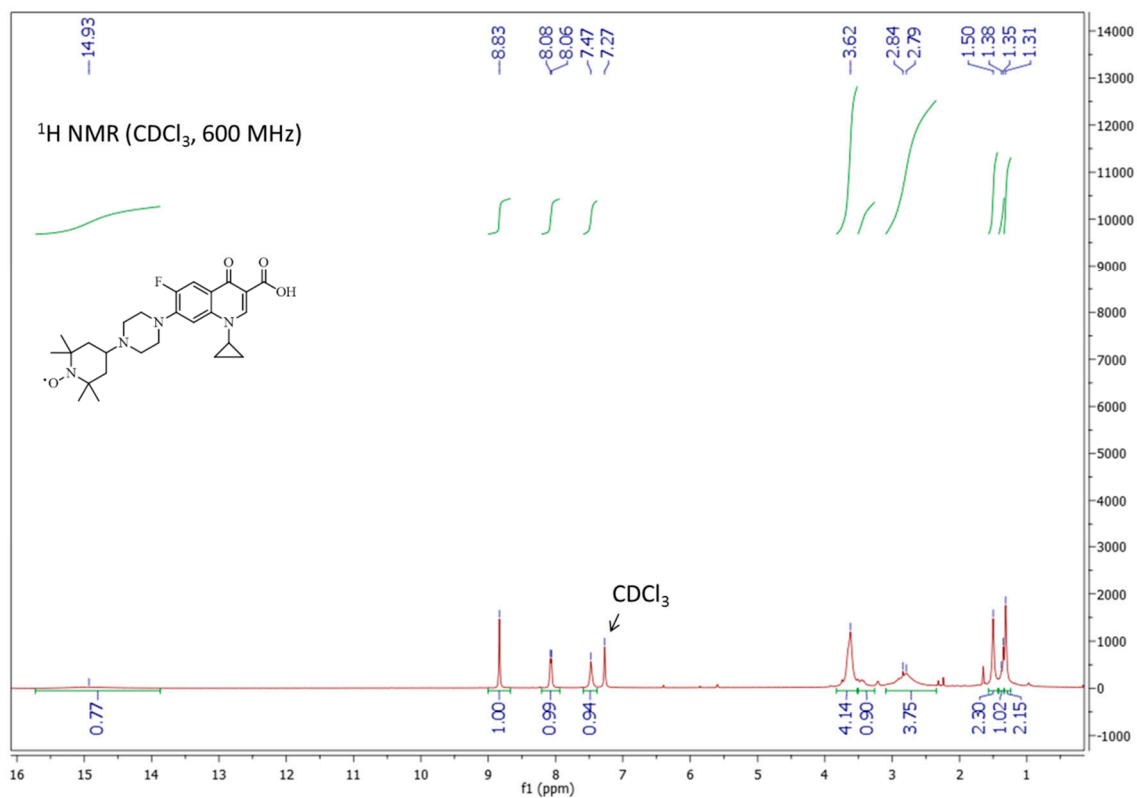


Figure S8. ¹H-NMR spectrum of 10.

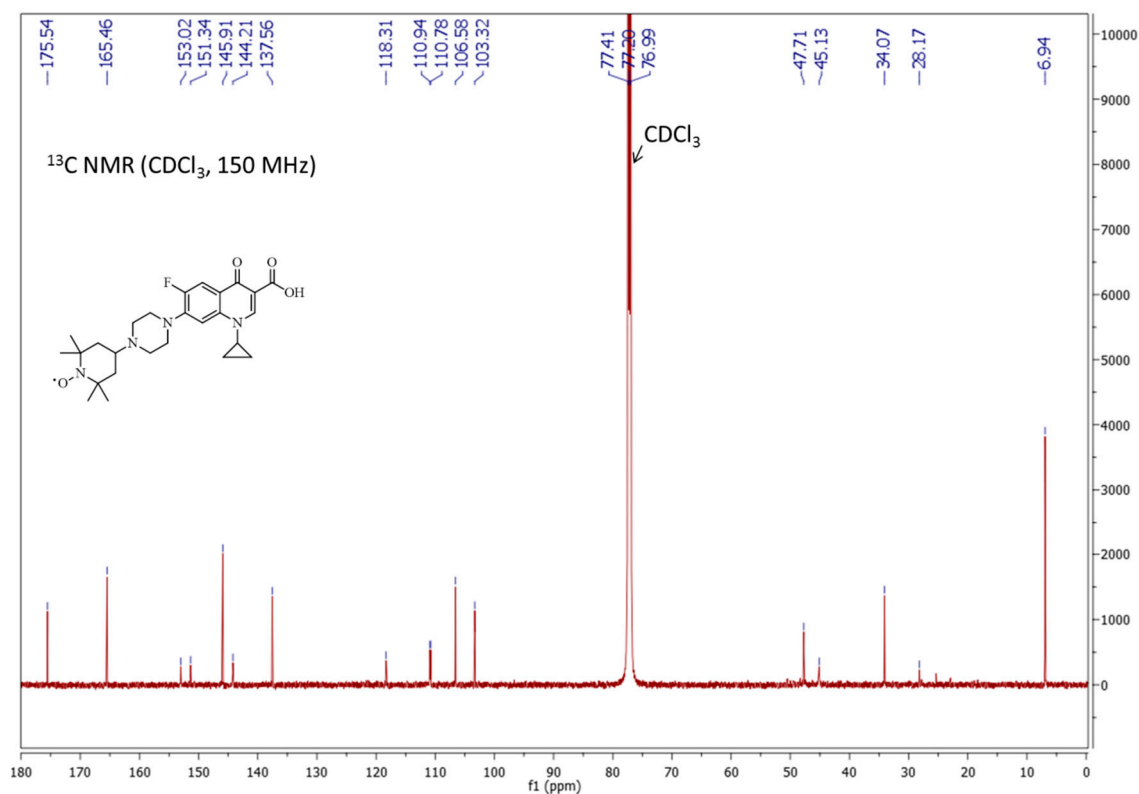
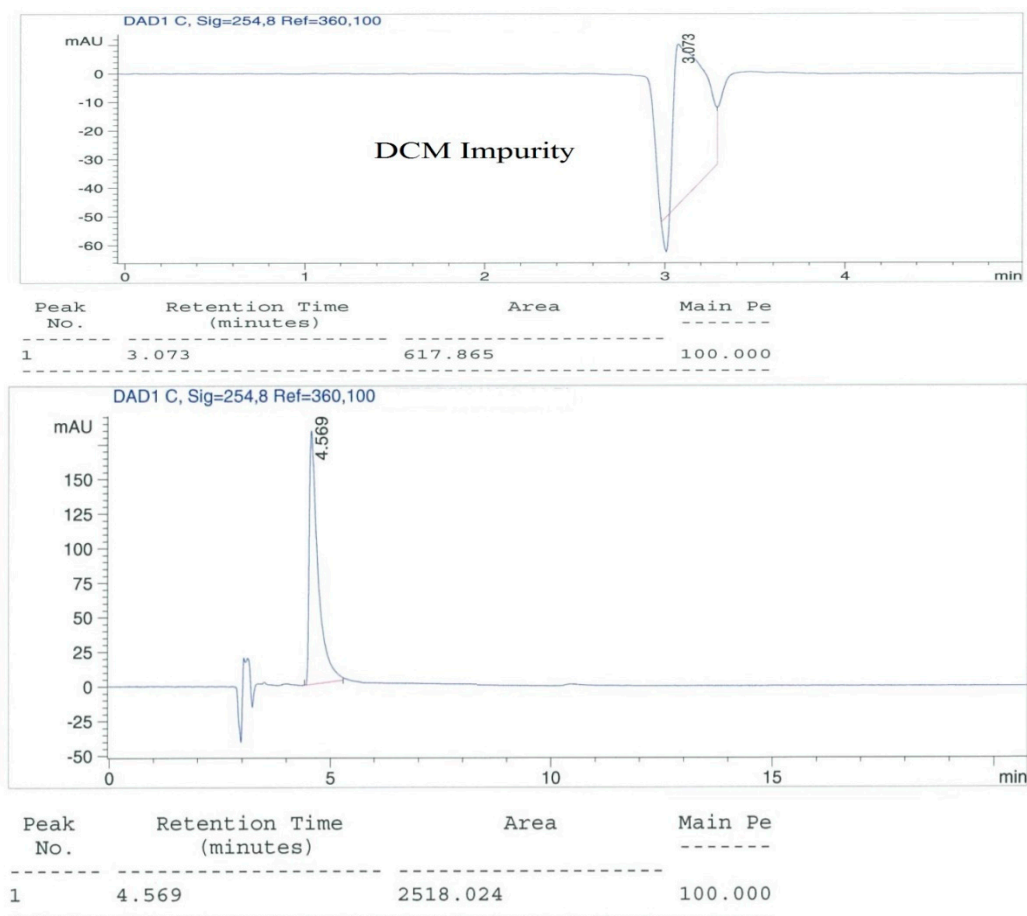
Figure S9. ¹³C-NMR spectrum of 10.

Figure S10. HPLC chromatogram of 10.

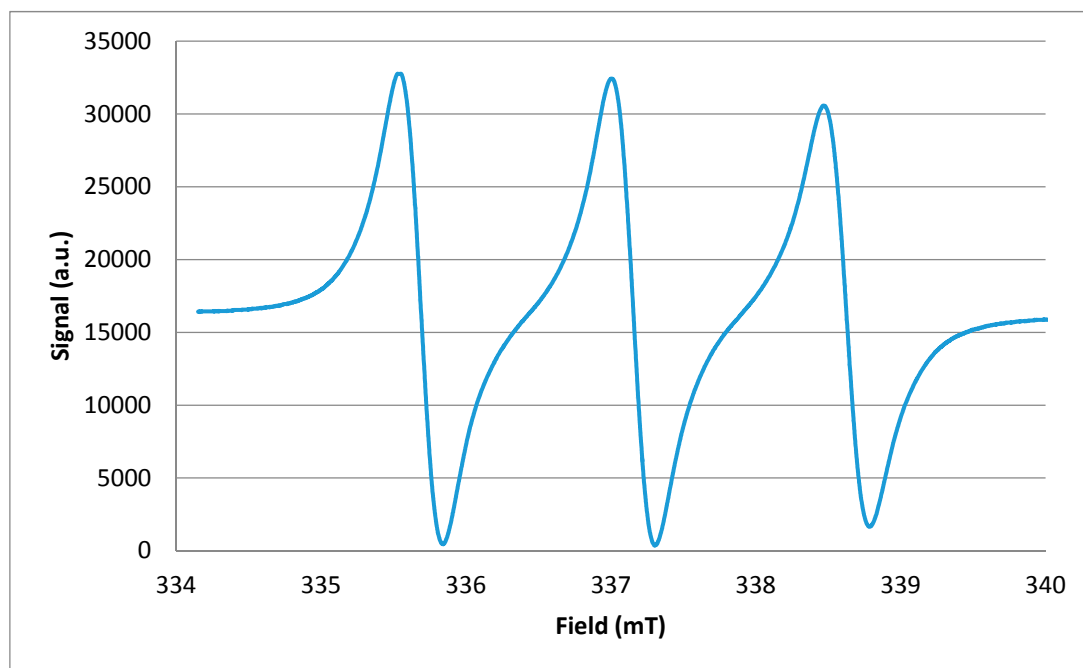
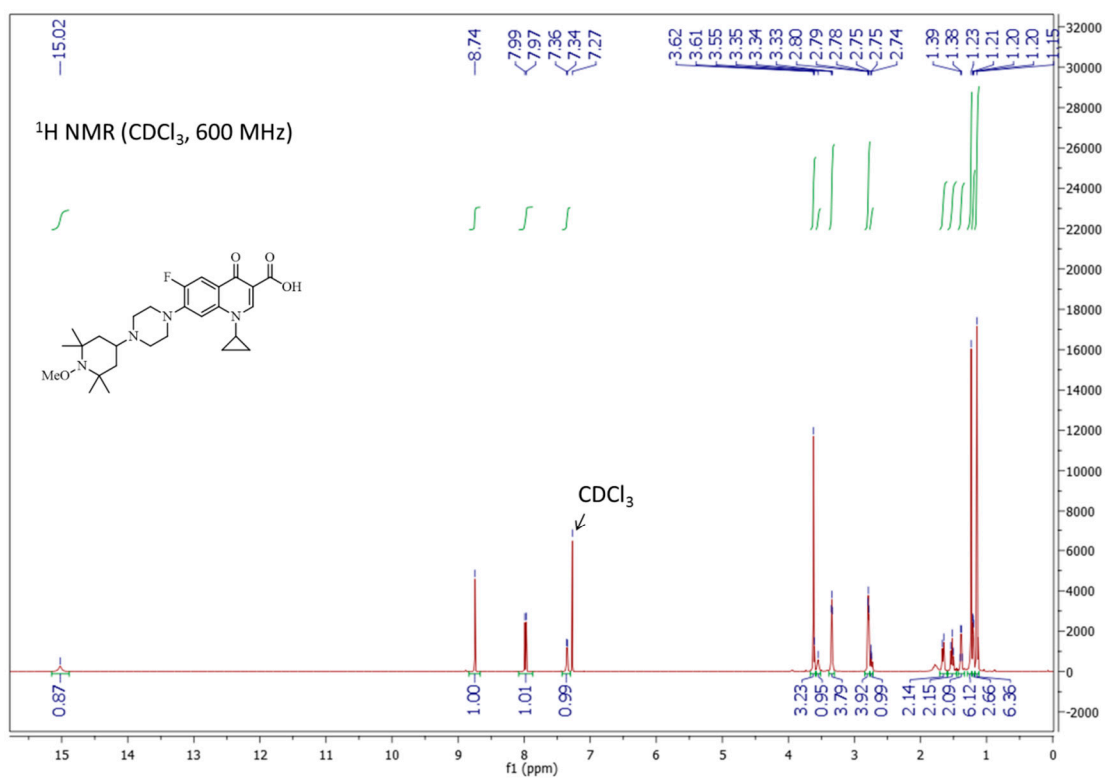
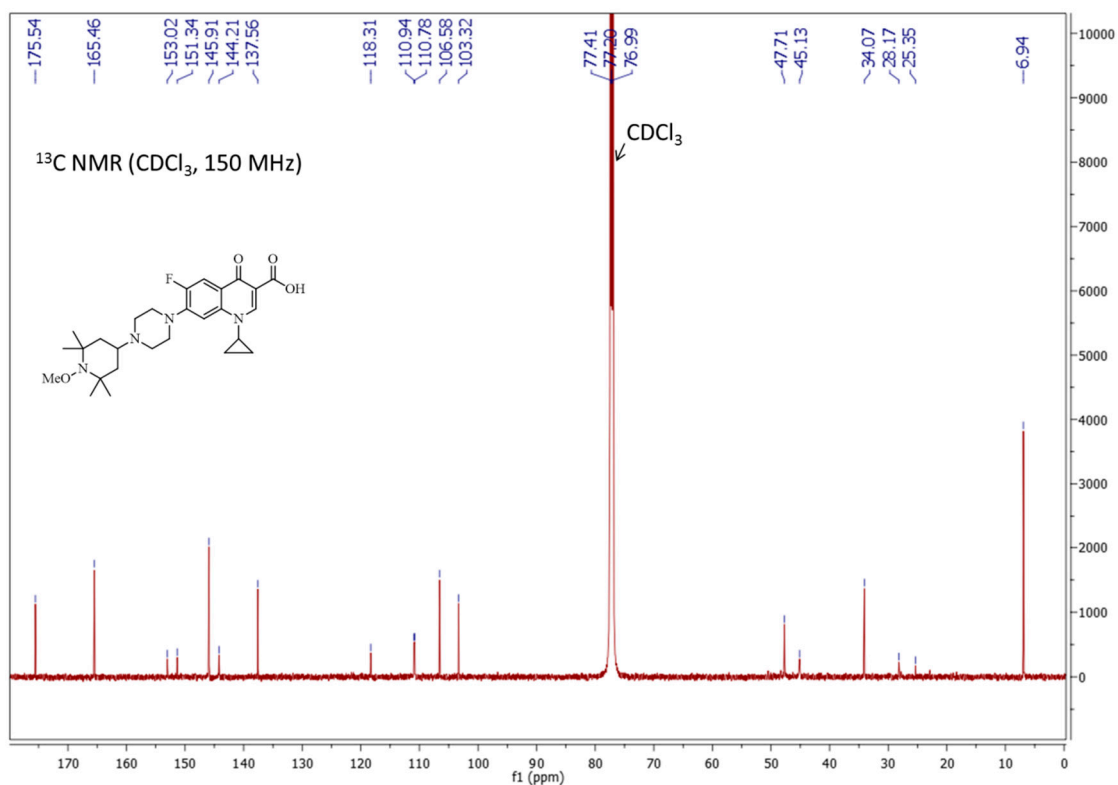


Figure S11. EPR spectrum of 10.

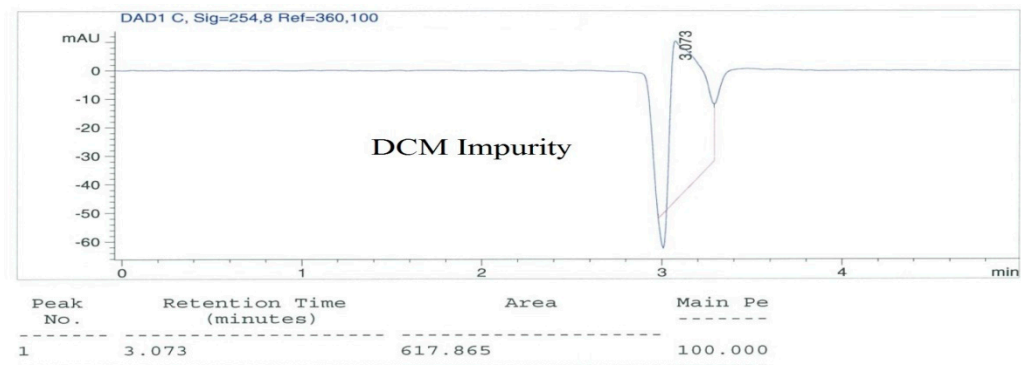
Figure S12. ¹H-NMR spectrum of 11.

Figure S13. ¹³C-NMR spectrum of 11.

Column Type: Agilent Zorbax RX-SIL column (4.6 × 250 mm, 5 μm).

Flow Rate: 1 mL/min.

Solvent Composition: (DCM:THF, 70:30).



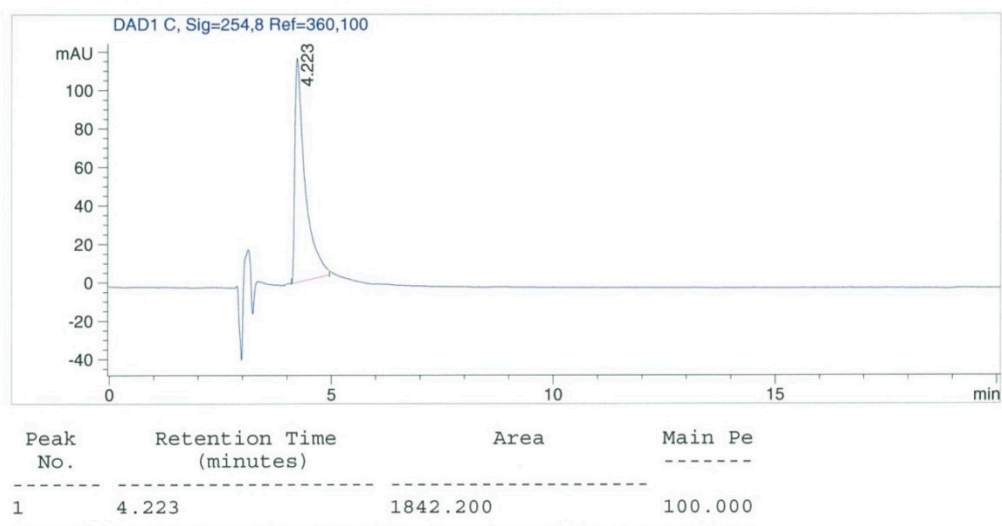
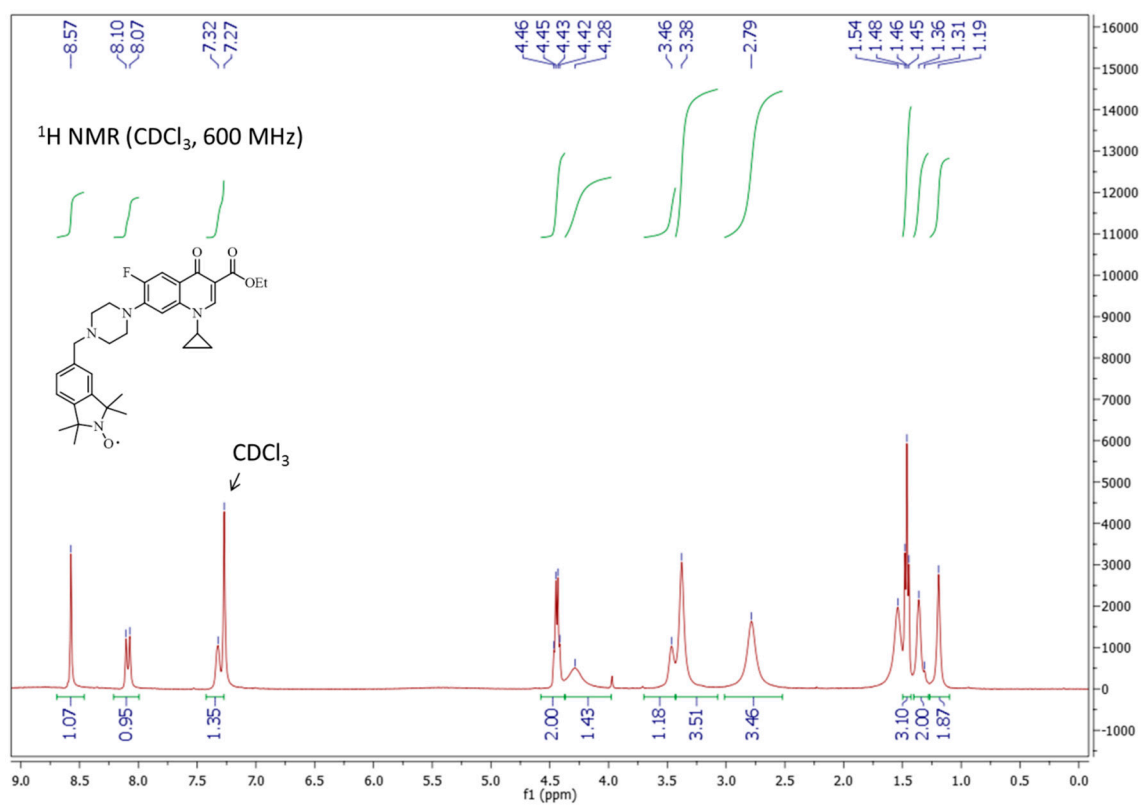
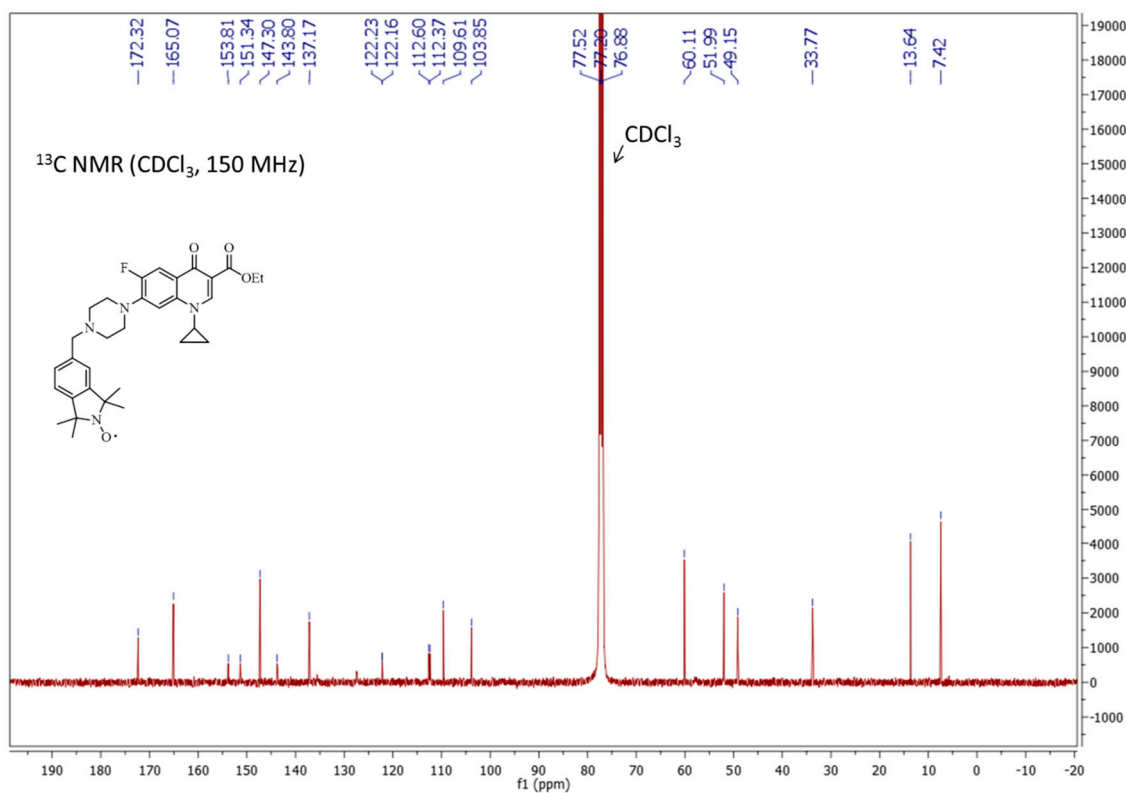


Figure S14. HPLC chromatogram of 11.

Figure S15. ¹H-NMR spectrum of 14.

Figure S16. ¹³C-NMR spectrum of 14.

Column Type: Agilent C18 column (4.6 × 250 mm, 5 μm).

Flow Rate: 1 mL/min.

Solvent Composition: (MeOH:H₂O, 80:20).

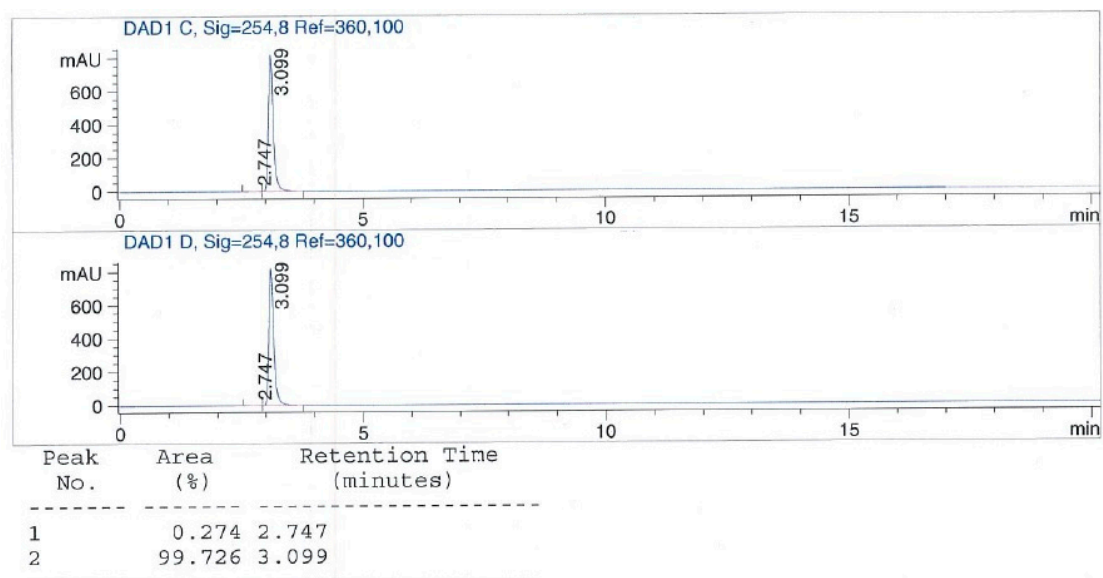


Figure S17. HPLC chromatogram of 14.

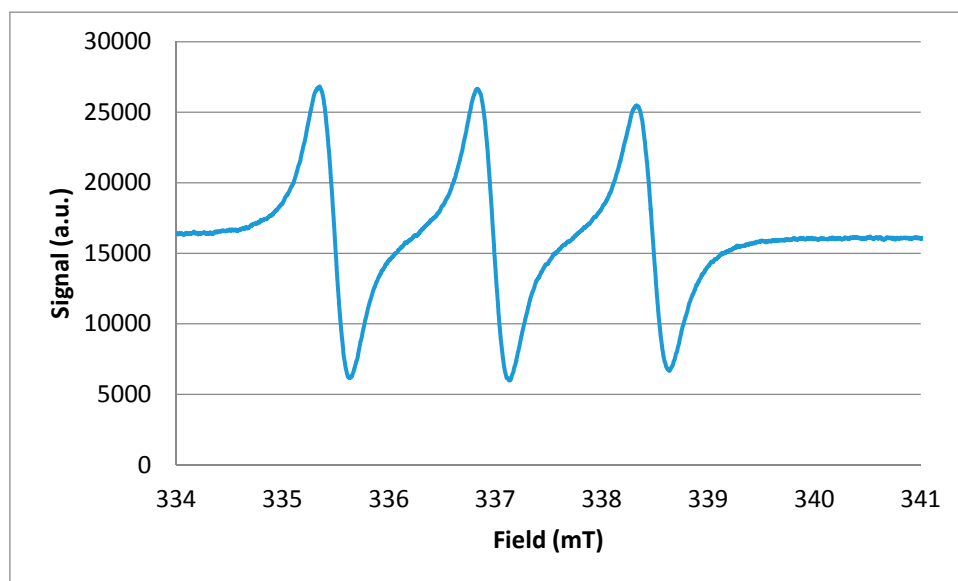
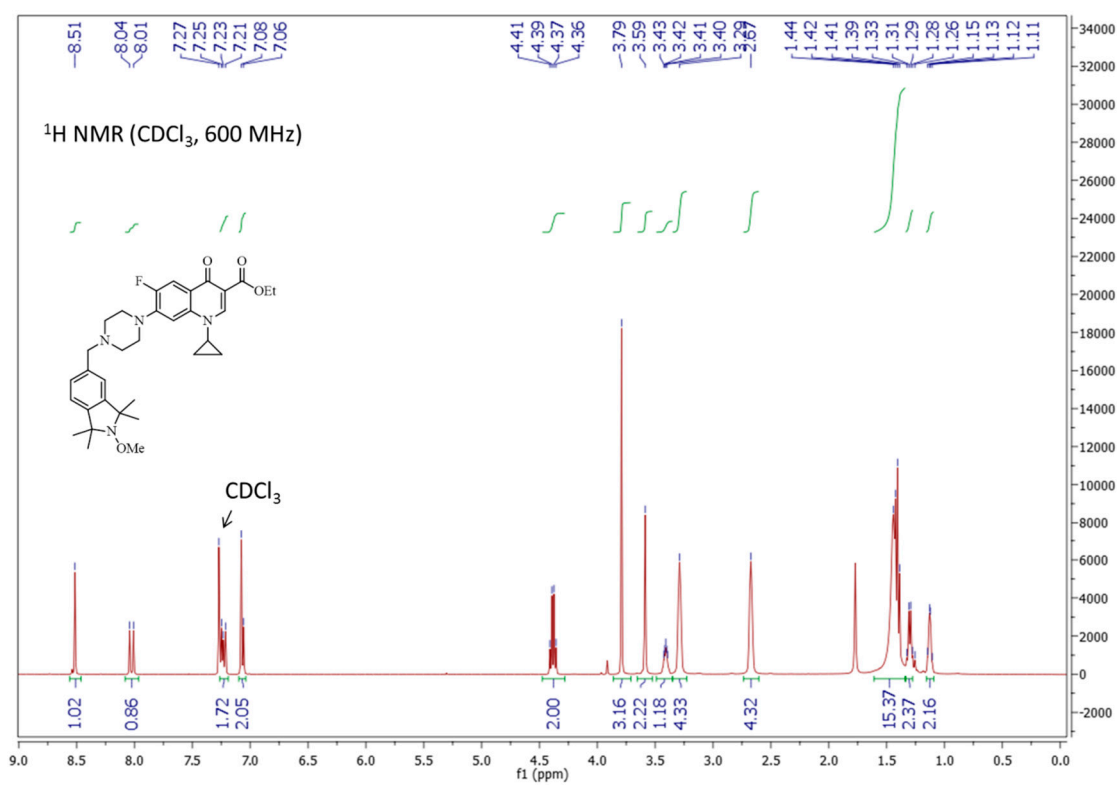
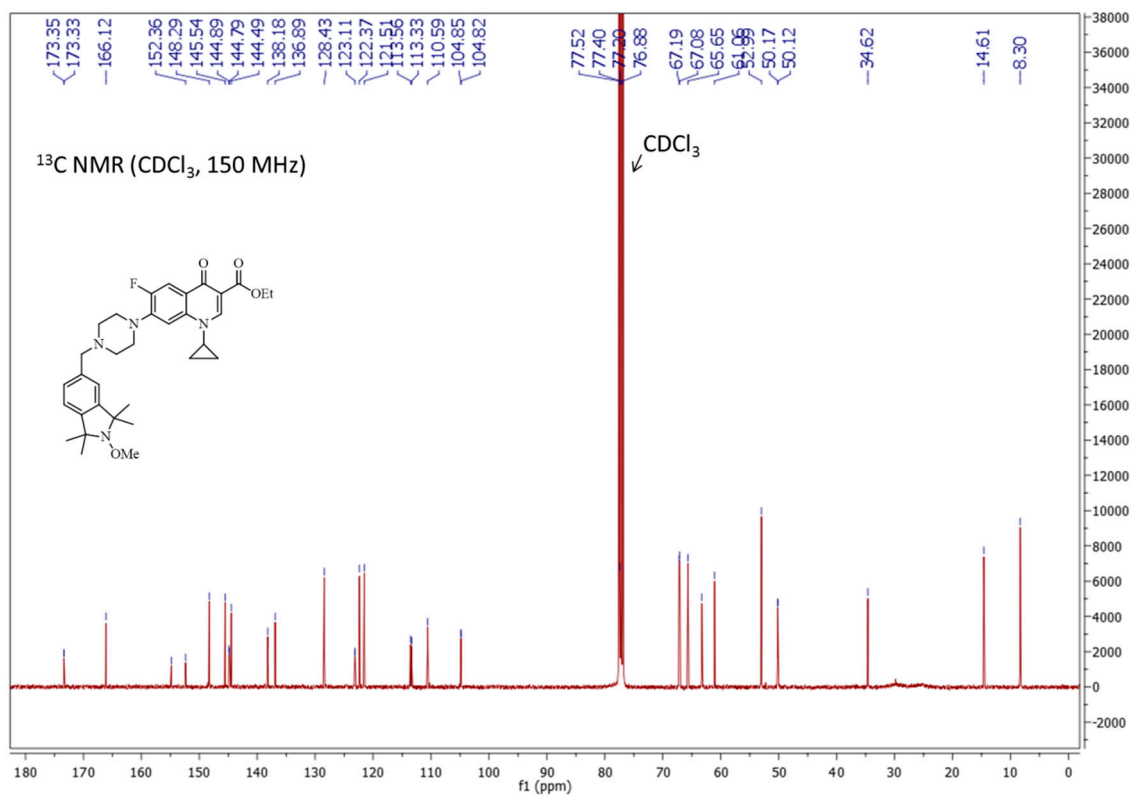


Figure S18. EPR spectrum of 14.

Figure S19. ¹H-NMR spectrum of 15.

Figure S20. ¹³C-NMR spectrum of 15.

Column Type: Agilent C18 column (4.6 × 250 mm, 5 μm).

Flow Rate: 1 mL/min.

Solvent Composition: (MeOH:H₂O, 80:20).

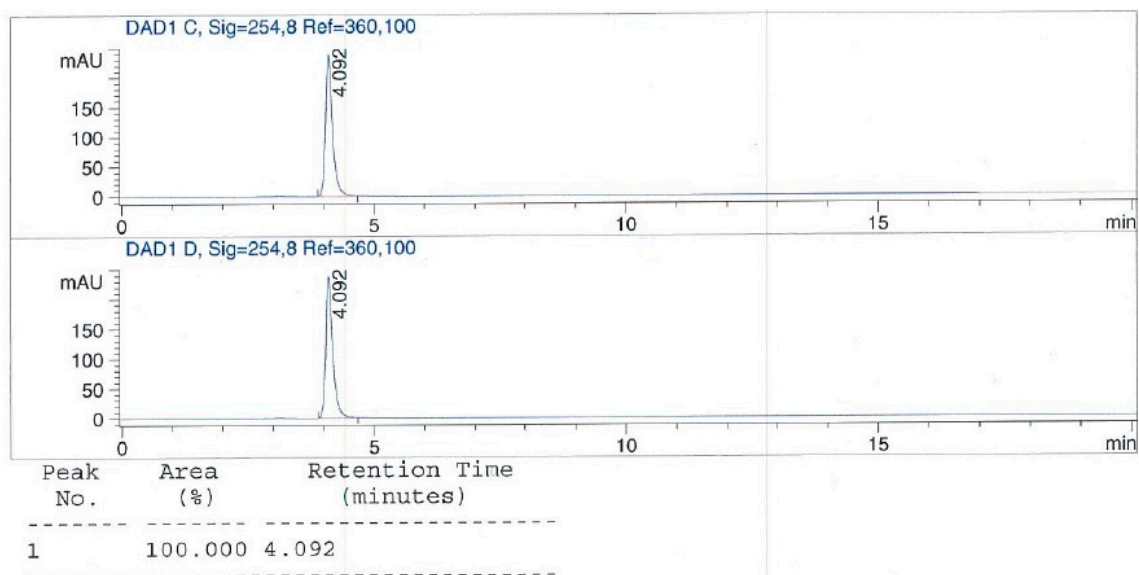
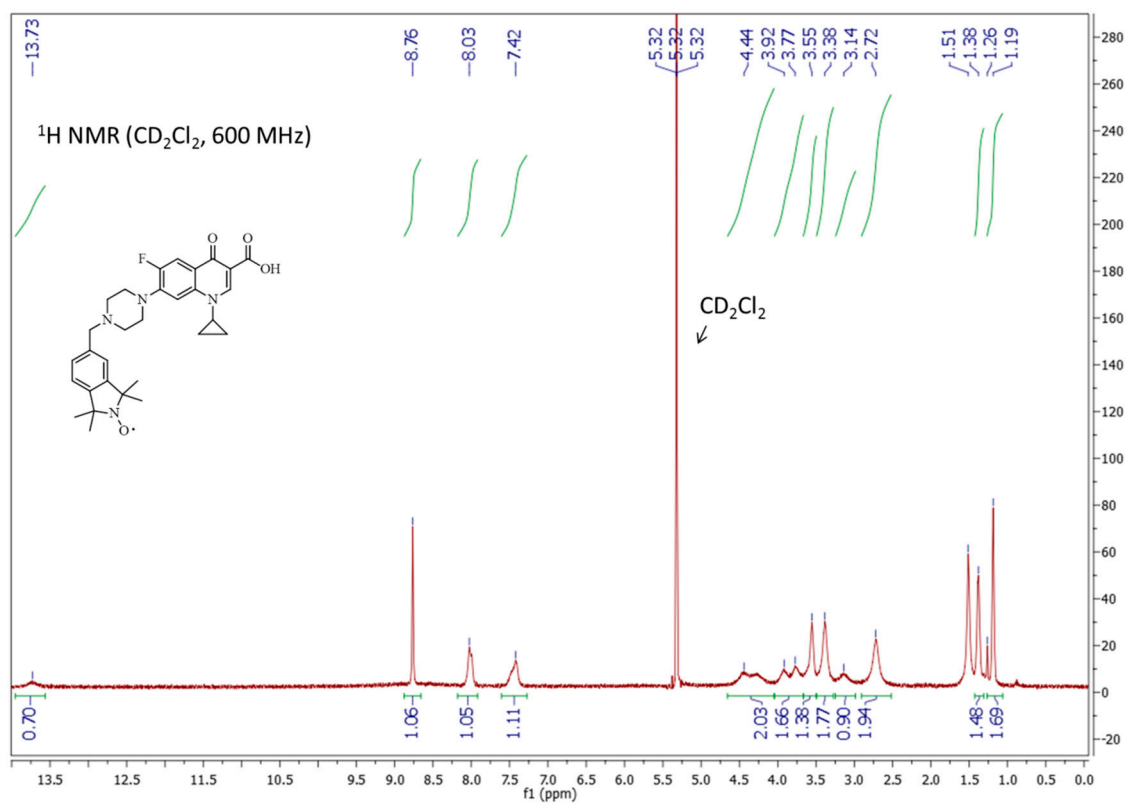
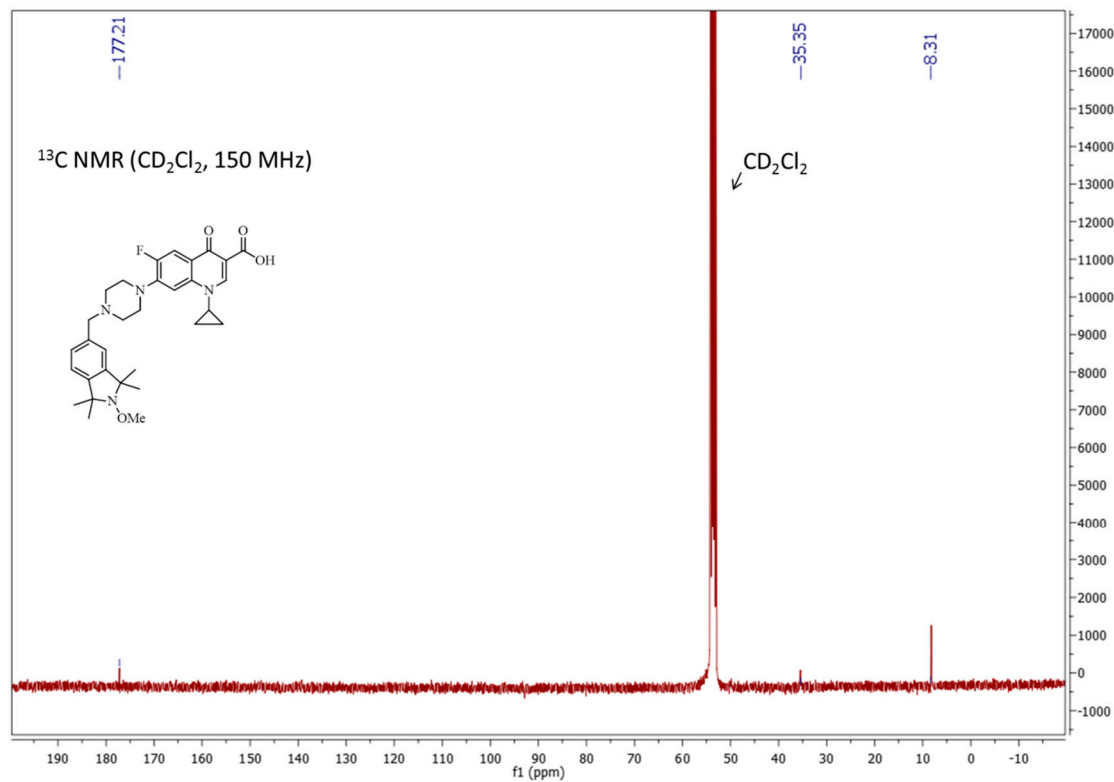


Figure S21. HPLC chromatogram of 15.

Figure S22. ¹H-NMR spectrum of 16.Figure S23. ¹³C-NMR spectrum of 16.

Column Type: Agilent C18 column (4.6 × 250 mm, 5 μm).

Flow Rate: 1 mL/min.

Solvent Composition: (MeCN:H₂O/TFA(99:1), 95:5).

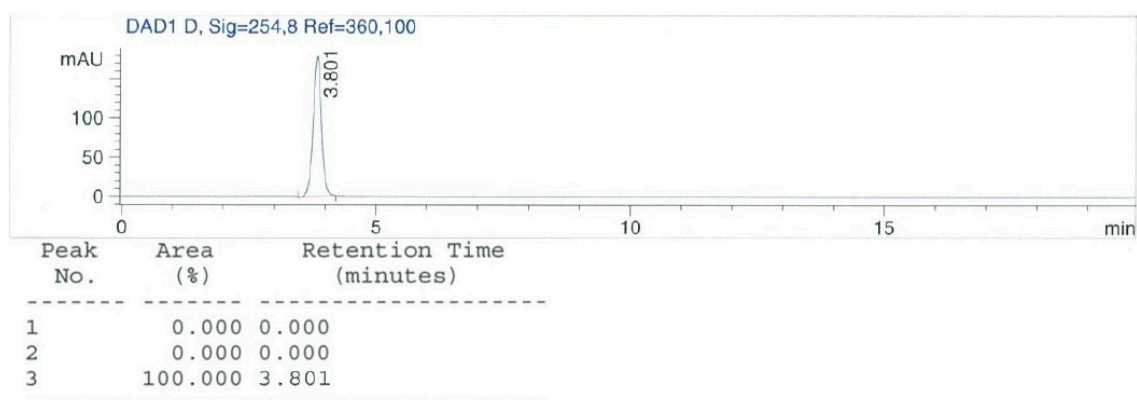


Figure S24. HPLC chromatogram of 16.

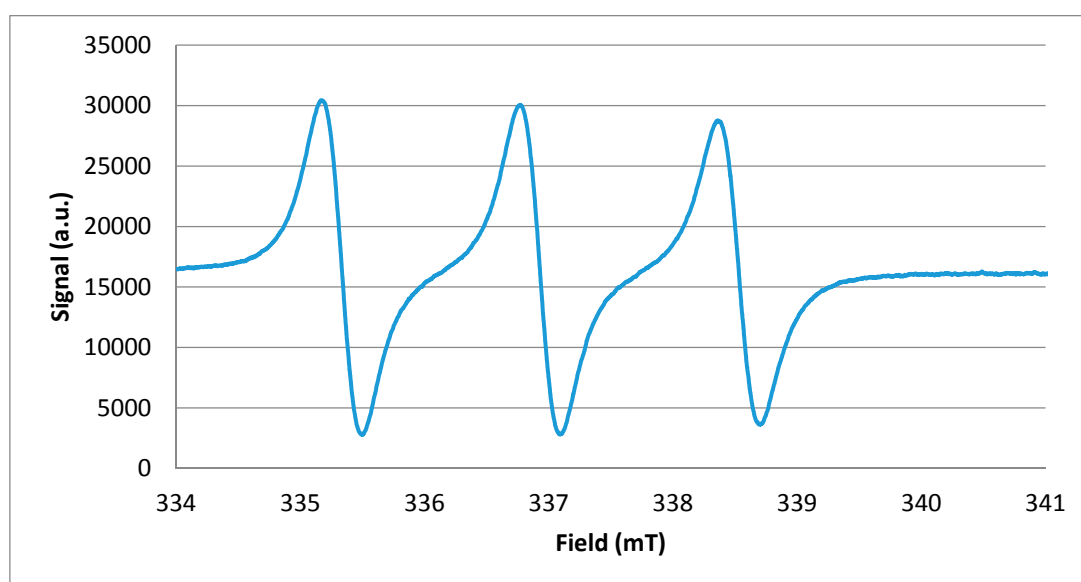
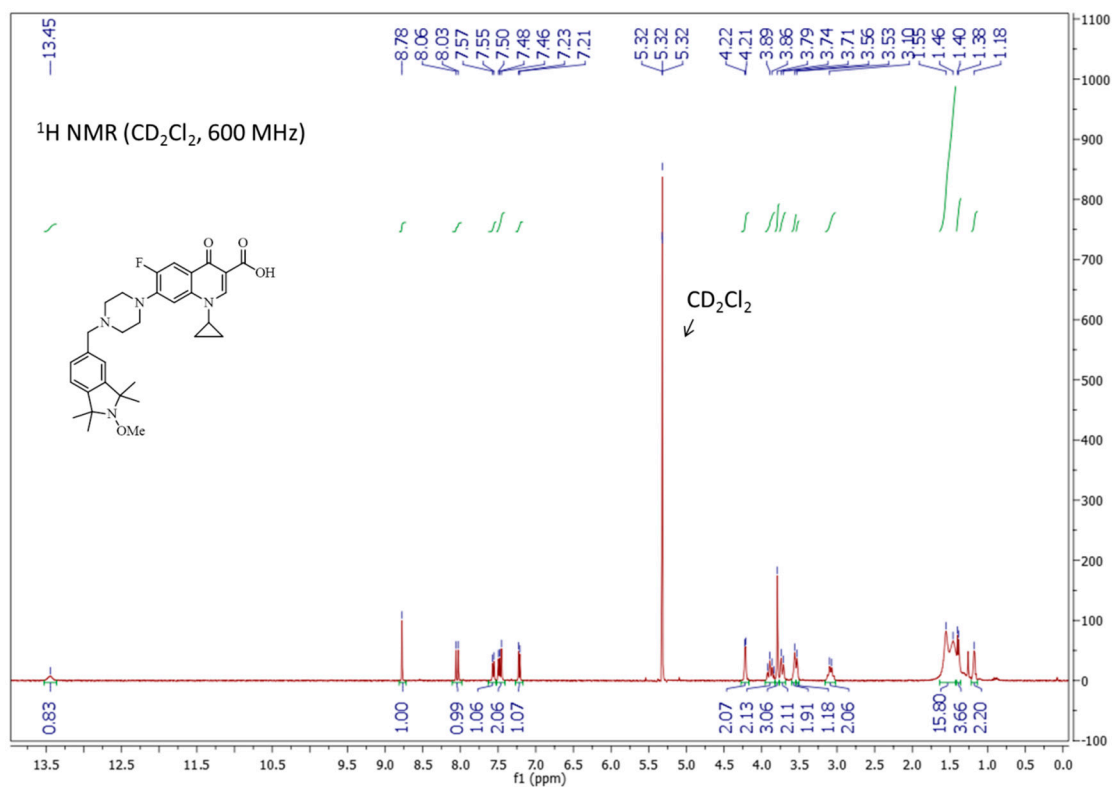
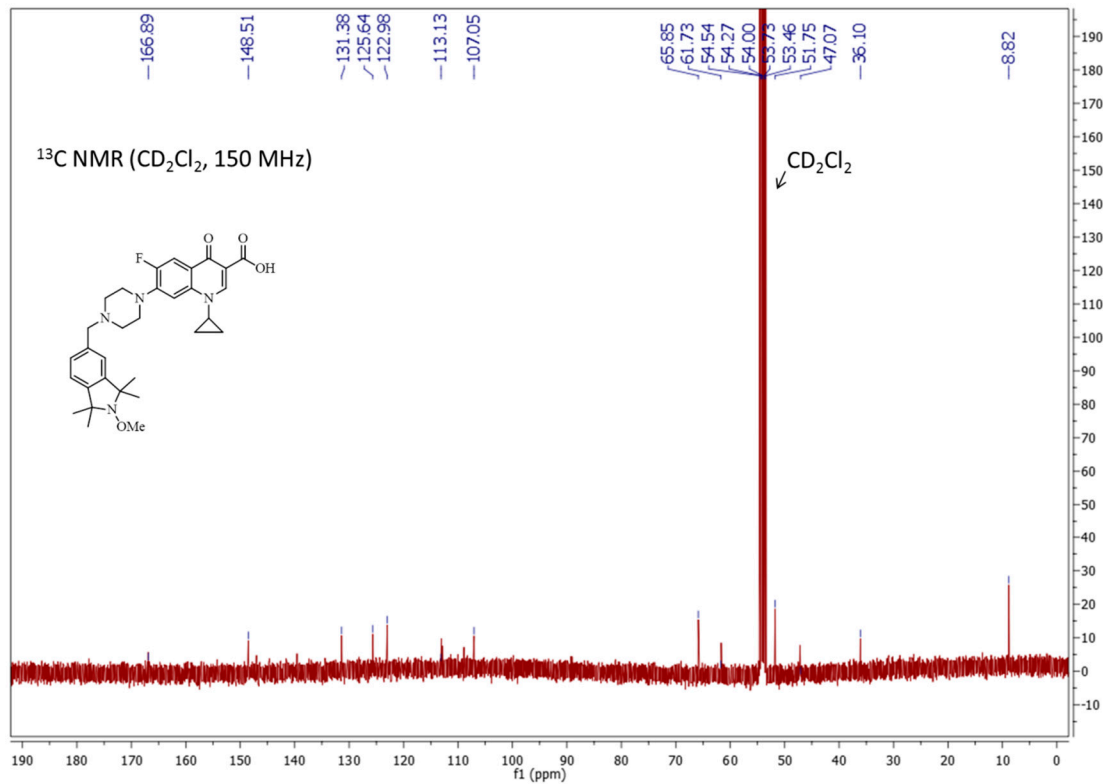


Figure S25. EPR spectrum of 16.

Figure S26. ¹H-NMR spectrum of 17.Figure S27. ¹³C-NMR spectrum of 17.

Column Type: Agilent C18 column (4.6 × 250 mm, 5 μm).

Flow Rate: 1 mL/min.

Solvent Composition: (MeCN:H₂O:TFA(99:1), 95:5).

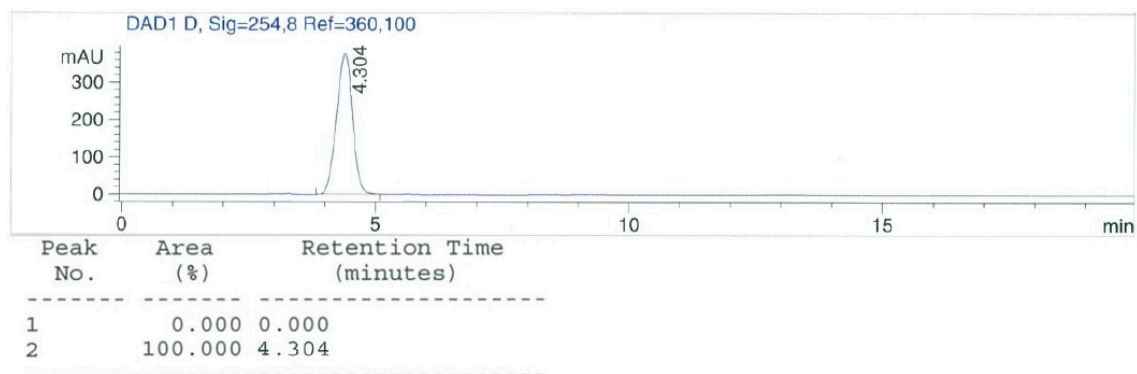


Figure S28. HPLC chromatogram of 17.