

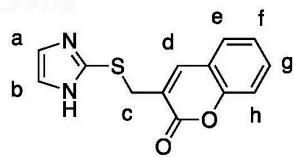
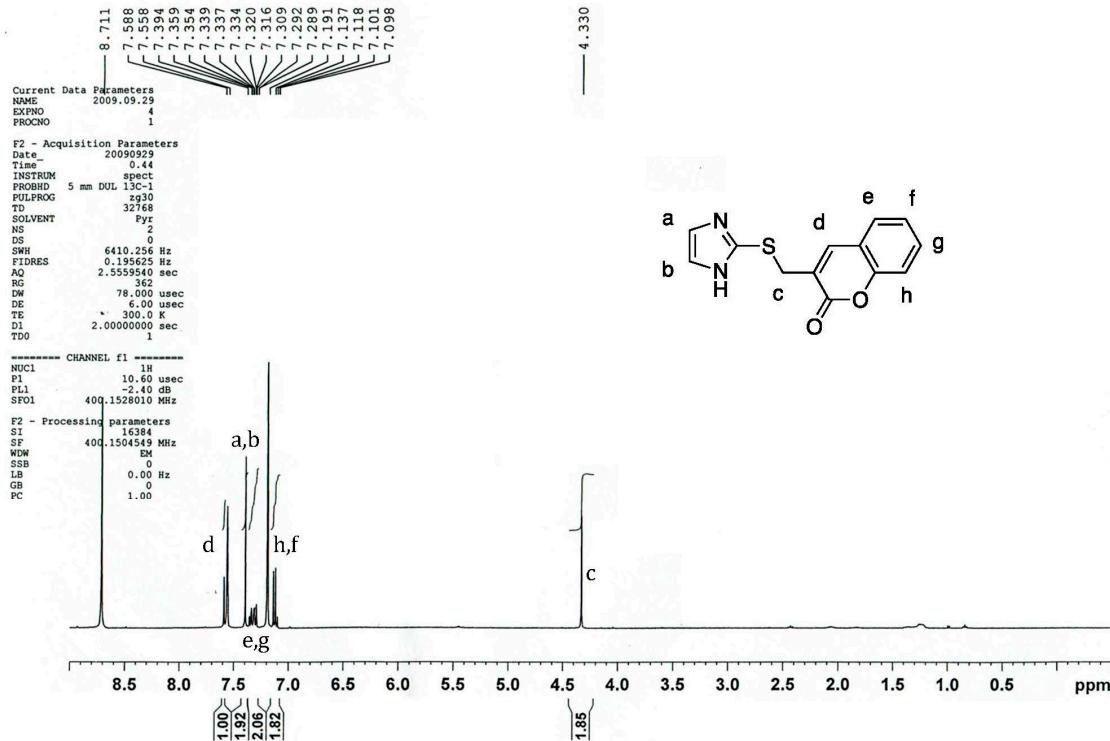
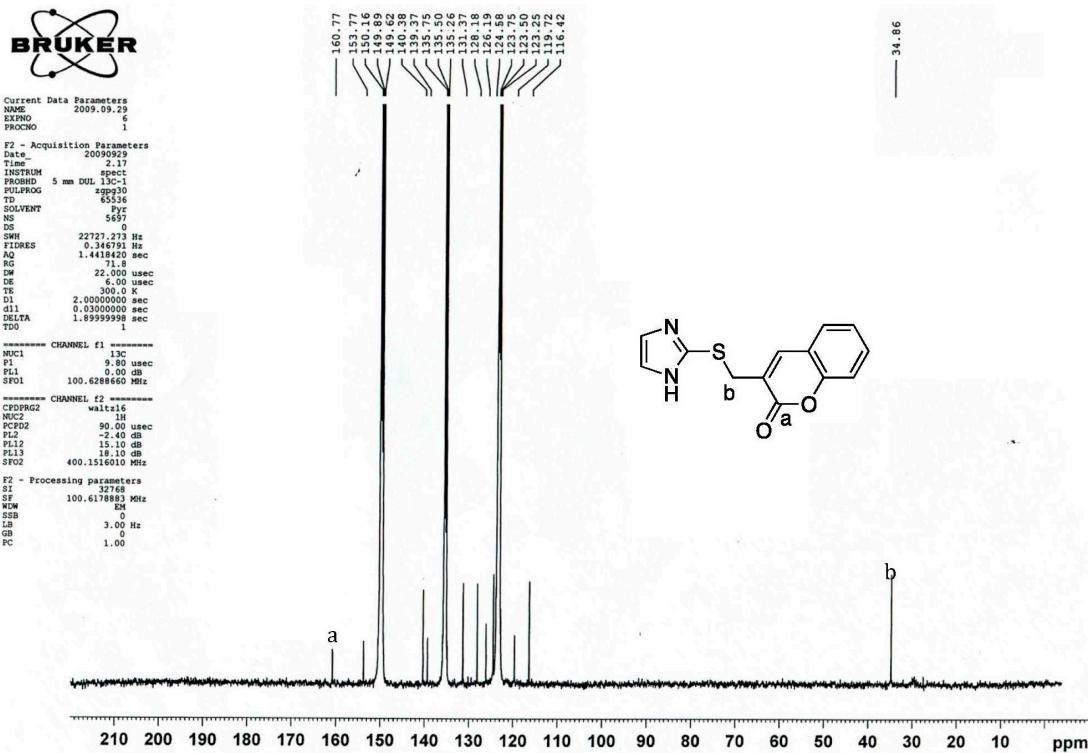
Synthesis and Structure-Activity Relationship of Imidazole-Coumarin Conjugates against Hepatitis C Virus

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Table S1. Compound Purity by HPLC.

Compound	Gradient A/B	Purity (%)	<i>t_R</i> (min)
3a	20:80	98.5	7.52
3b	20:80	99.0	8.02
3c	20:80	98.6	9.58
3d	20:80	98.8	8.55
3e	20:80	99.6	7.83
3f	20:80	99.4	8.61
3g	20:80	99.8	10.44
7a	20:80	98.0	6.37
7b	20:80	98.1	7.16
7c	20:80	99.0	8.19
7d	20:80	98.9	8.47
7e	20:80	99.3	6.85
9a	20:80	98.2	6.68
9b	20:80	98.7	6.87
9d	20:80	99.2	7.12
9e	20:80	98.6	7.45
9f	20:80	98.8	7.36
11b	20:80	98.3	7.59
11e	20:80	98.4	7.41
11f	20:80	99.3	7.37

Mobile phase: solvent A, acetonitrile; solvent B, H₂O; Detection Time: totally 20 min; Detection: 1254 nm; Column: Thermo 5 mm Hypersil ODS (250 × 4.6 mm D.I.); Flow rate: 0.80 mL/min.

Figure S1. ^1H NMR spectrum of compound 3a.Figure S2. ^{13}C NMR spectrum of compound 3a.

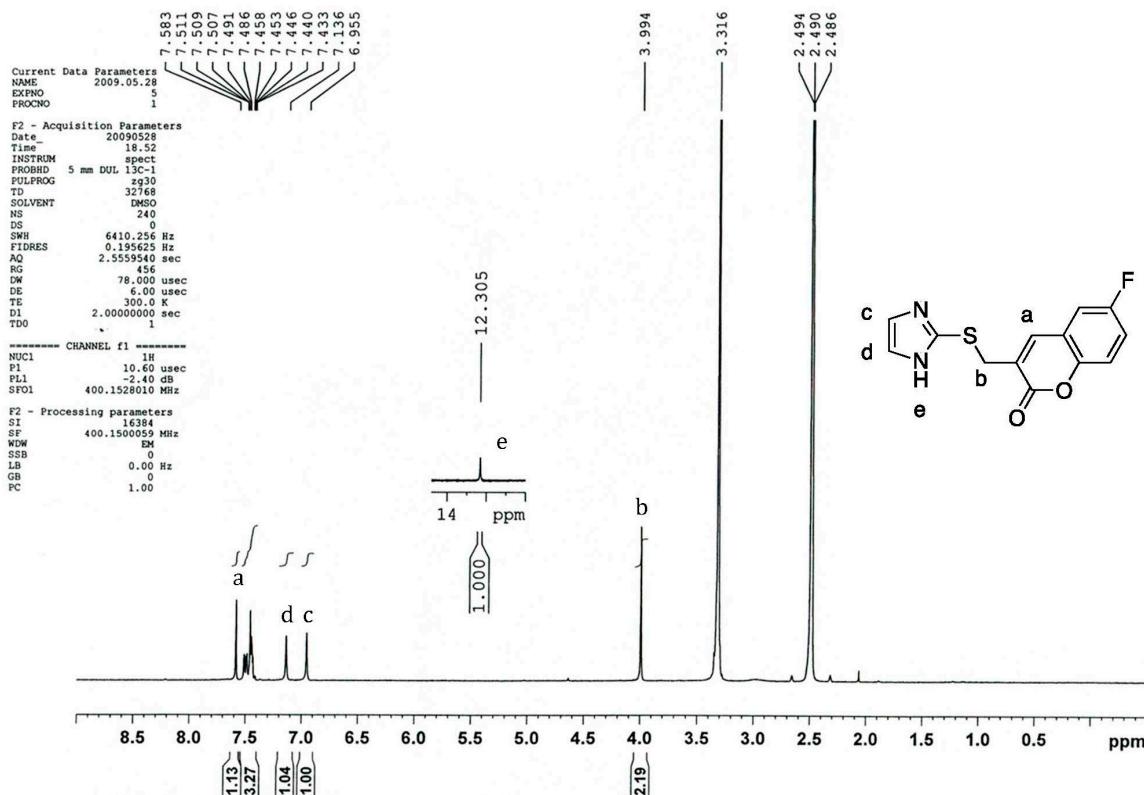


Figure S3. ^1H NMR spectrum of compound 3b.

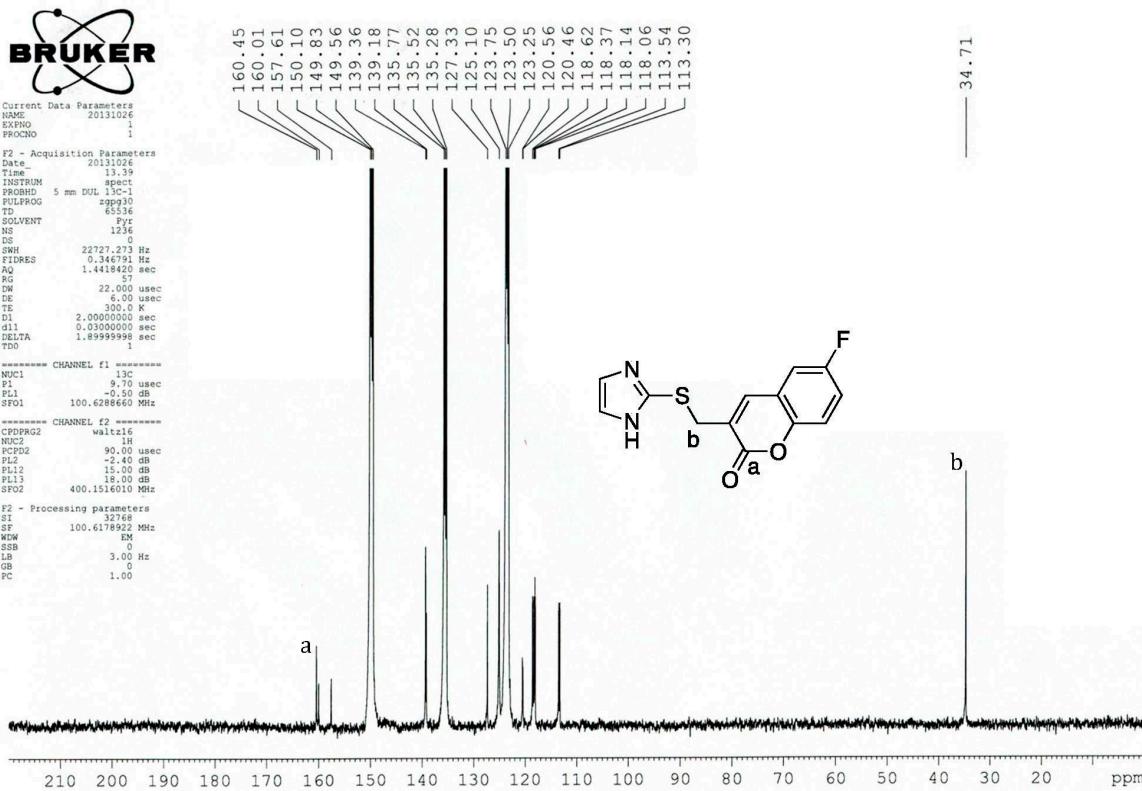


Figure S4. ^{13}C NMR spectrum of compound 3b.

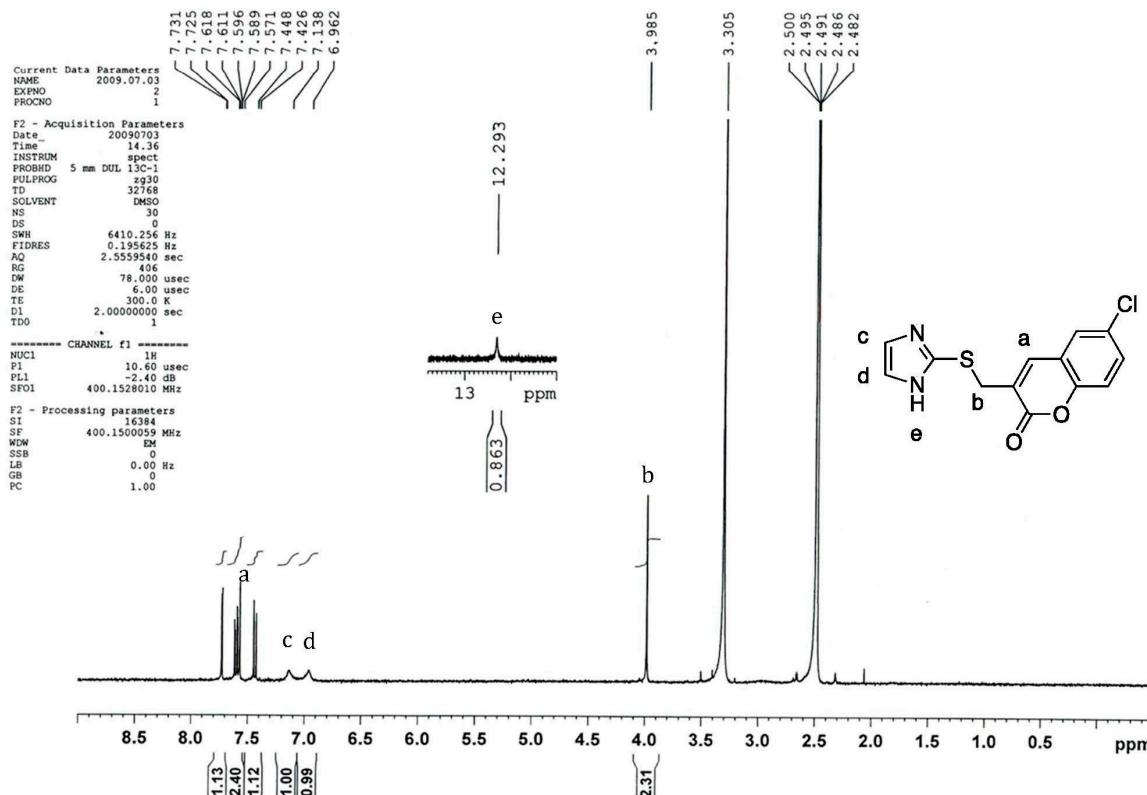


Figure S5. ^1H NMR spectrum of compound 3c.

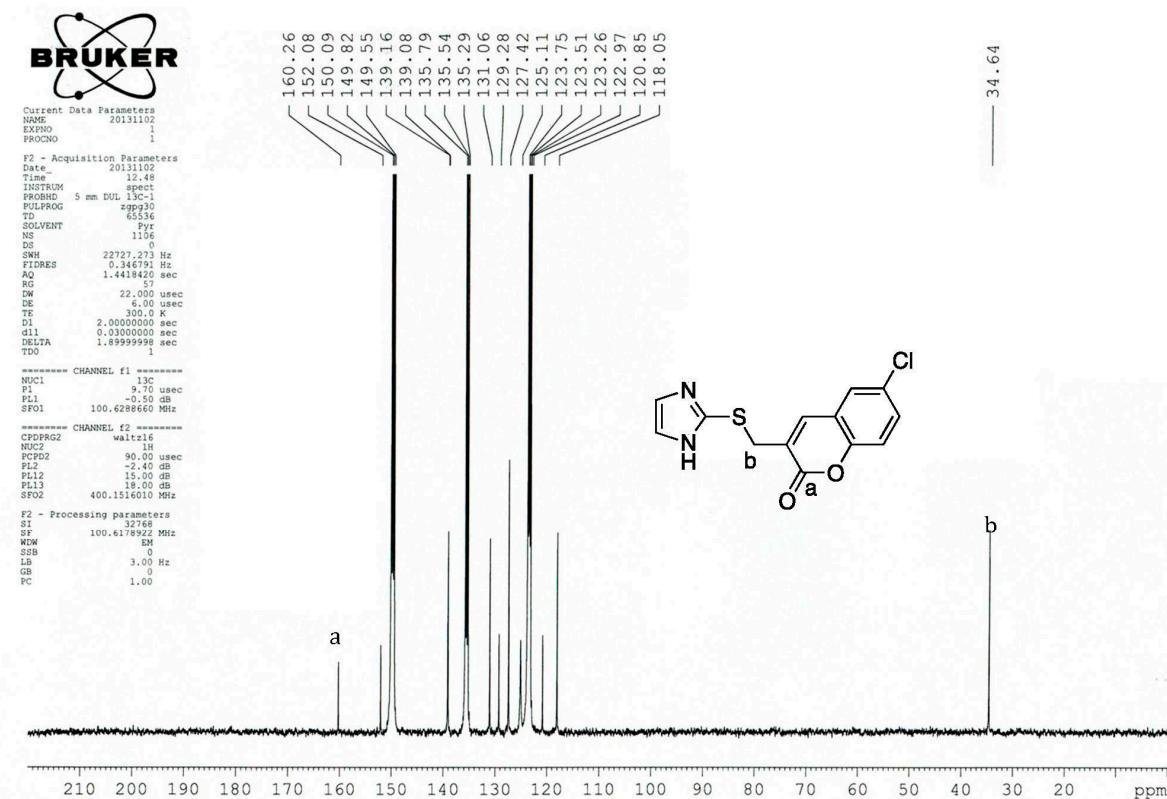
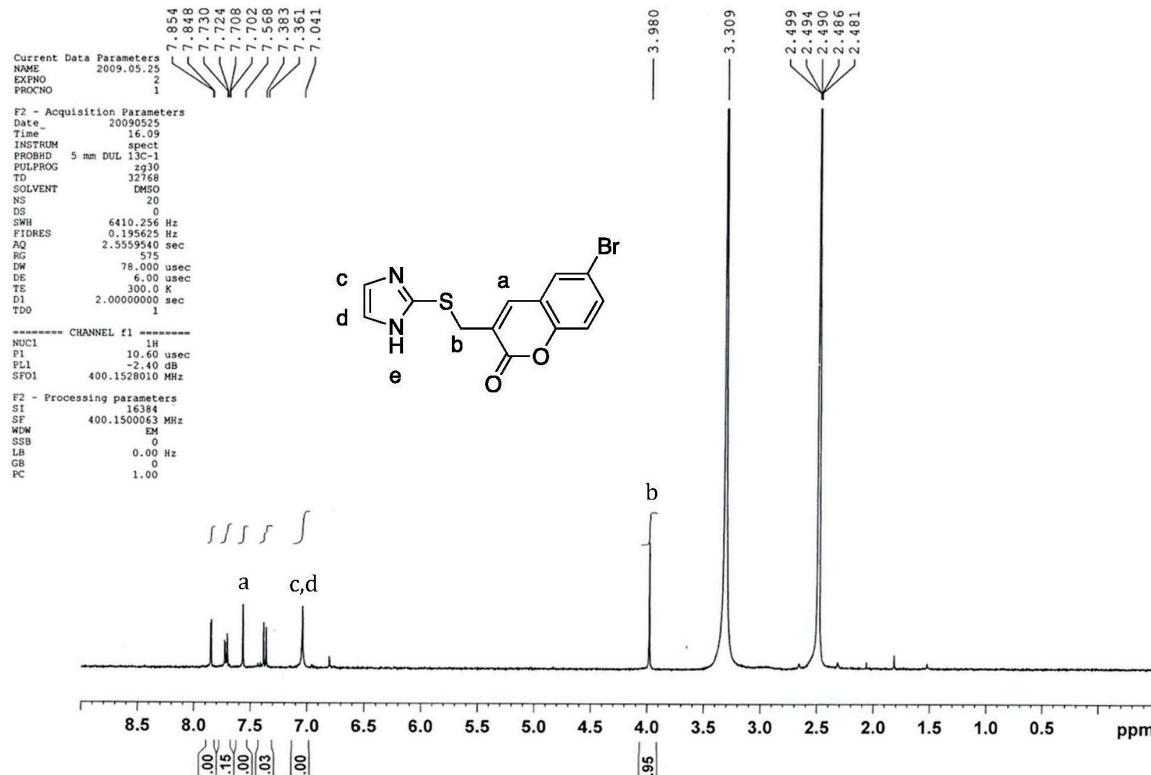
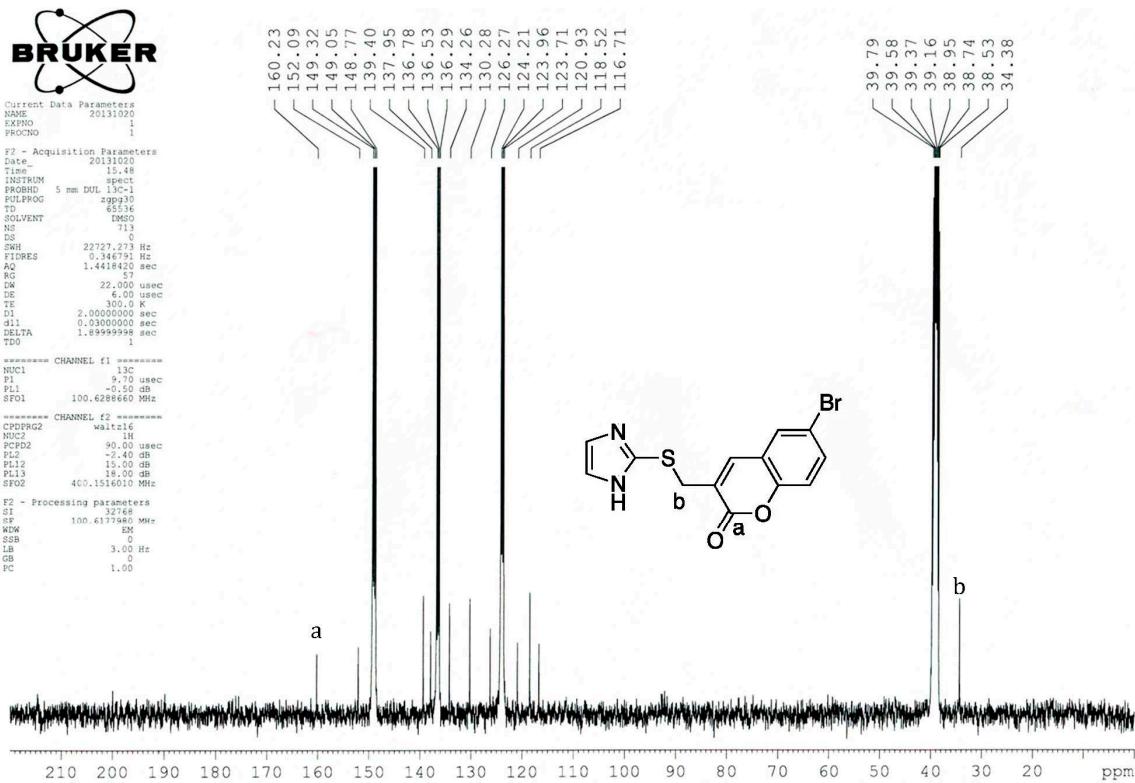
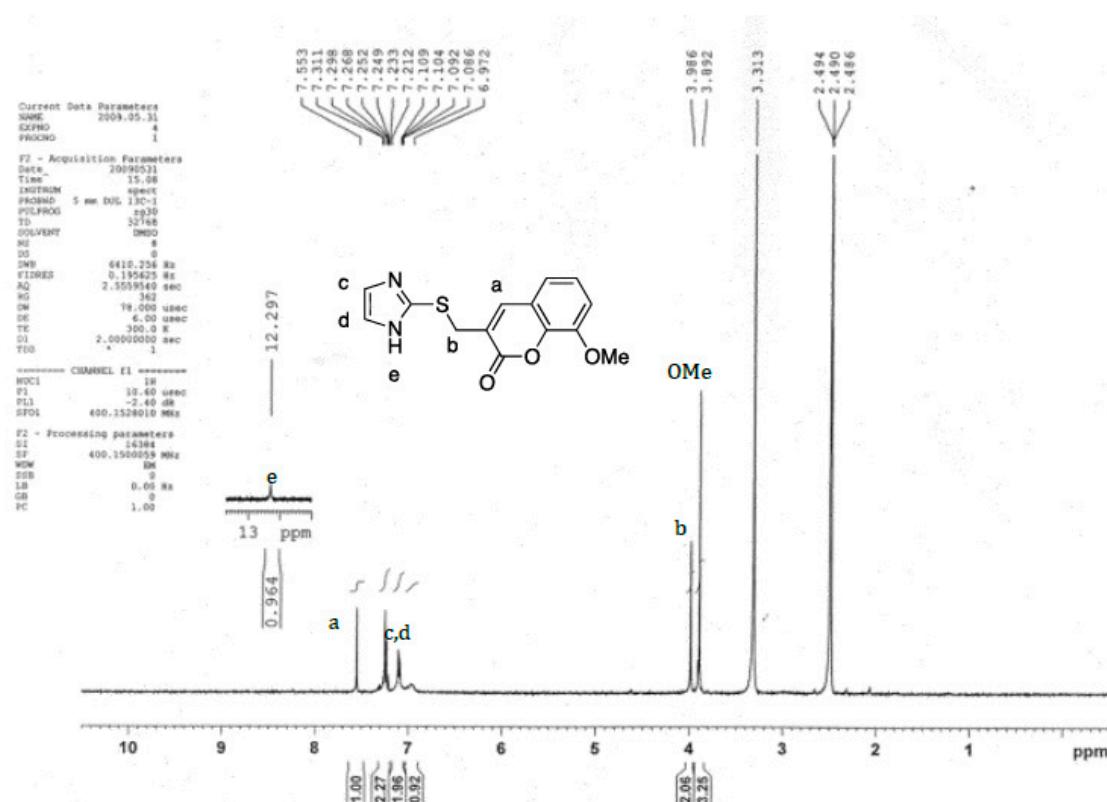
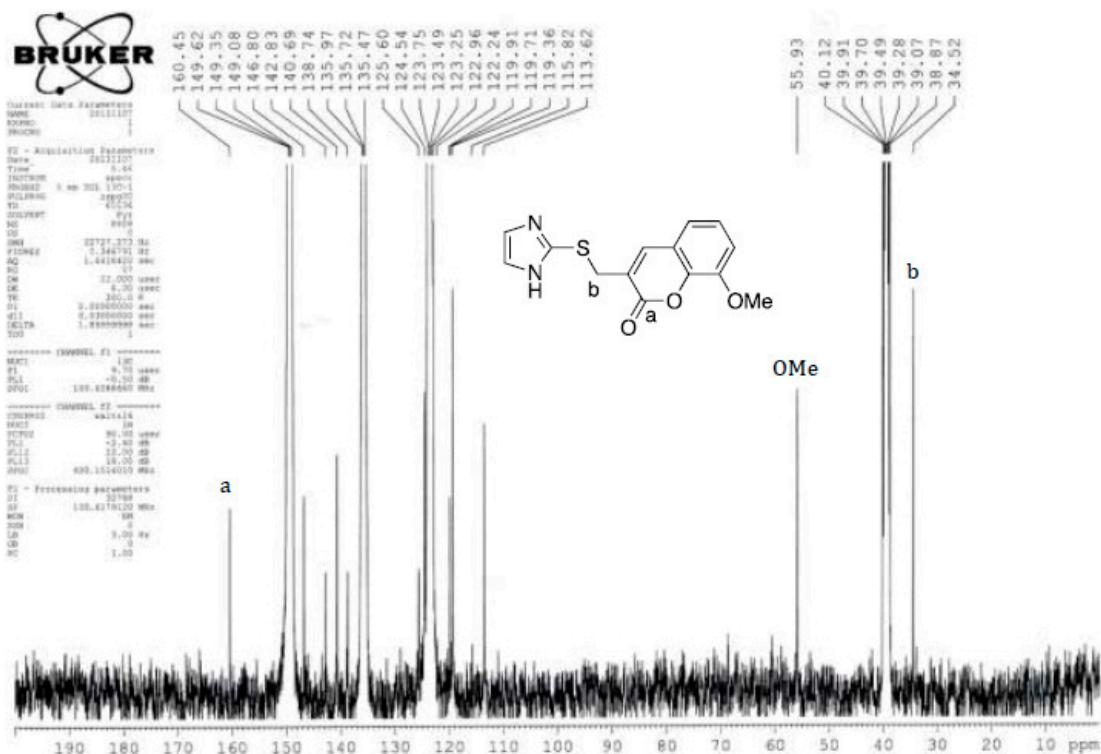
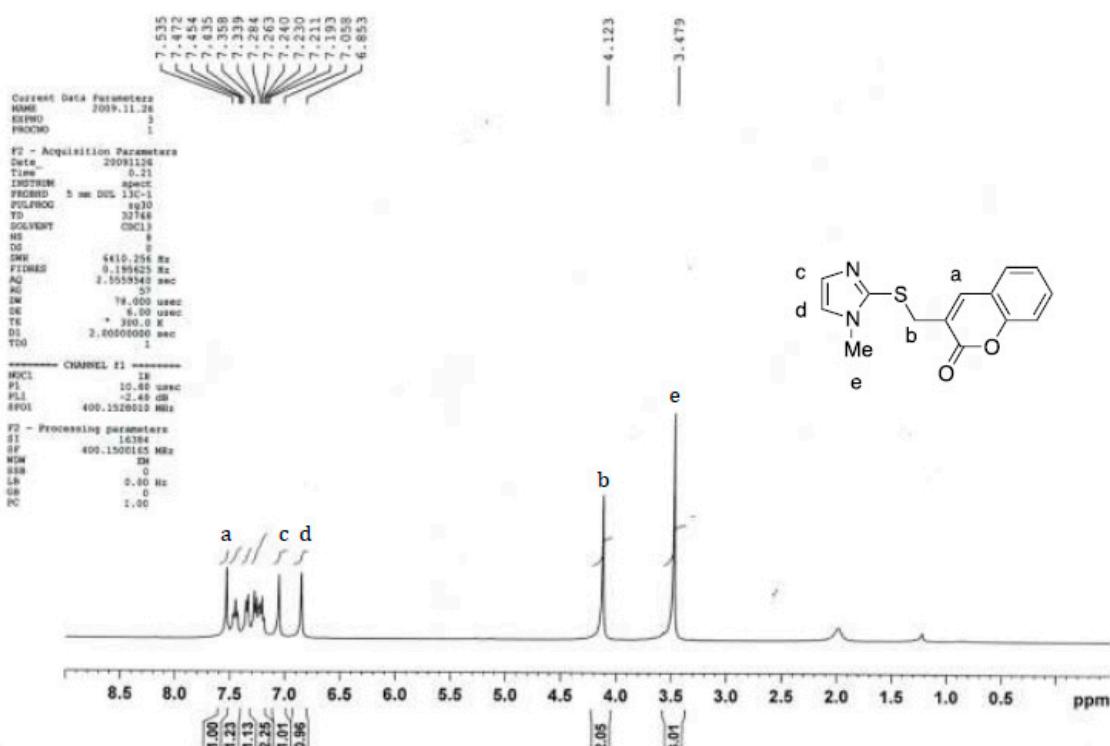
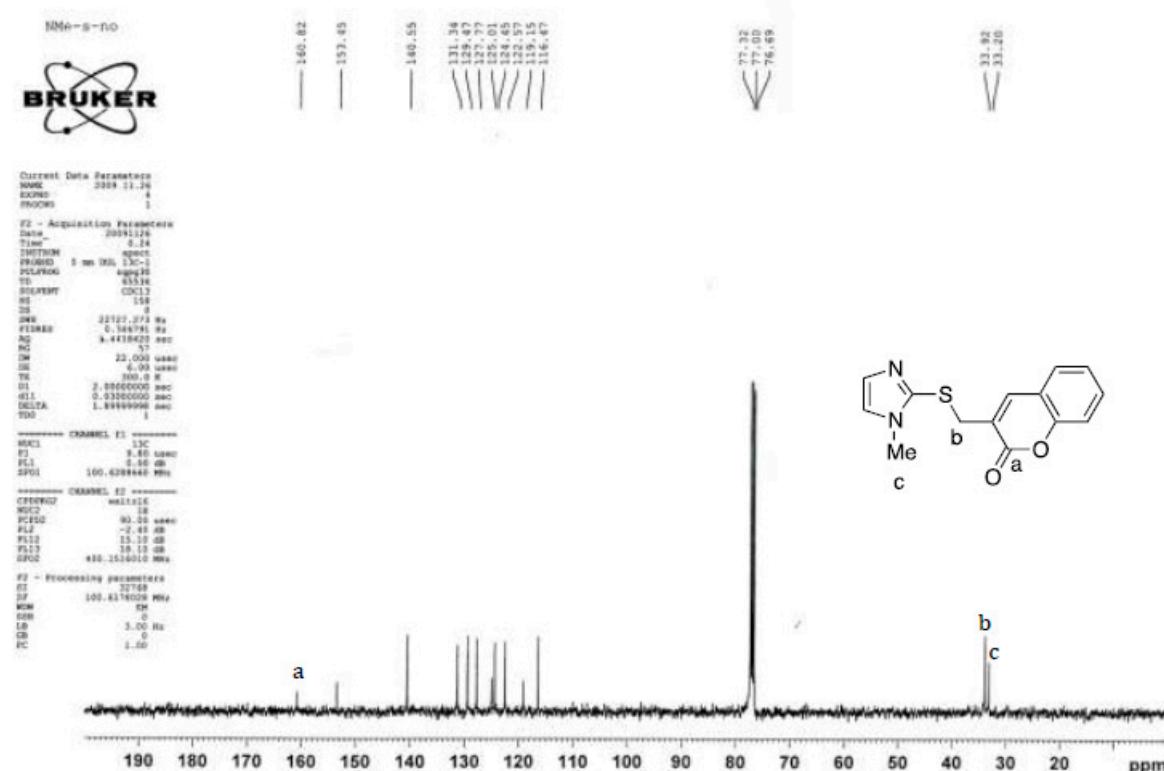
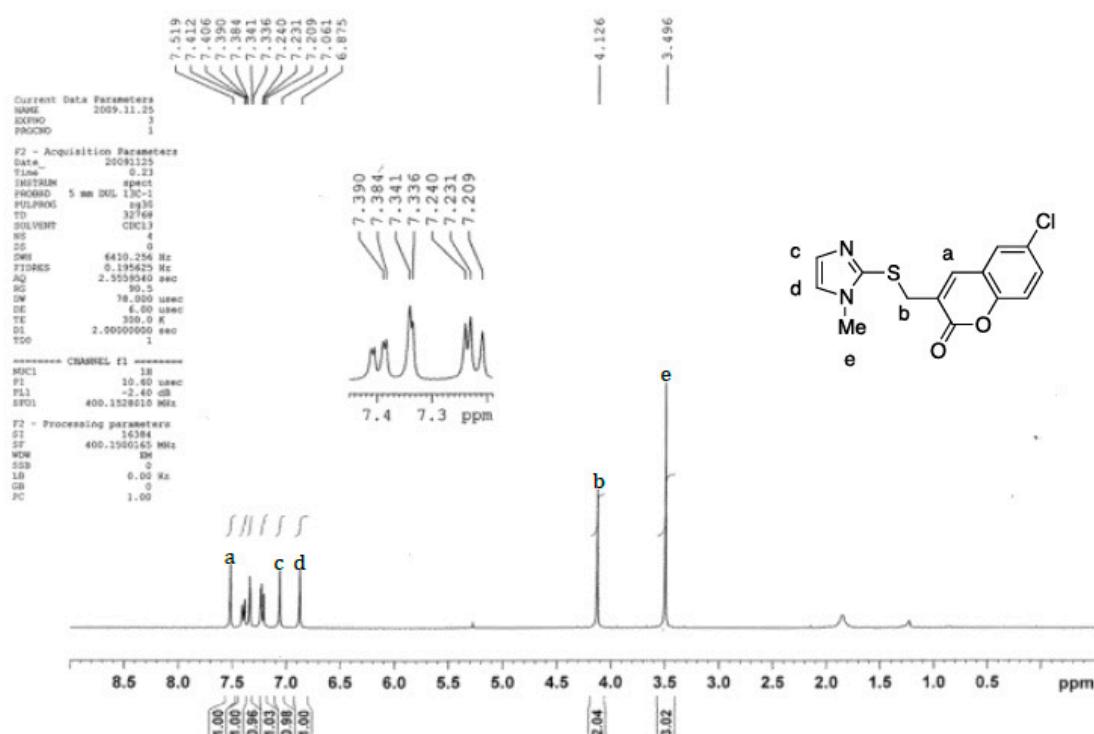
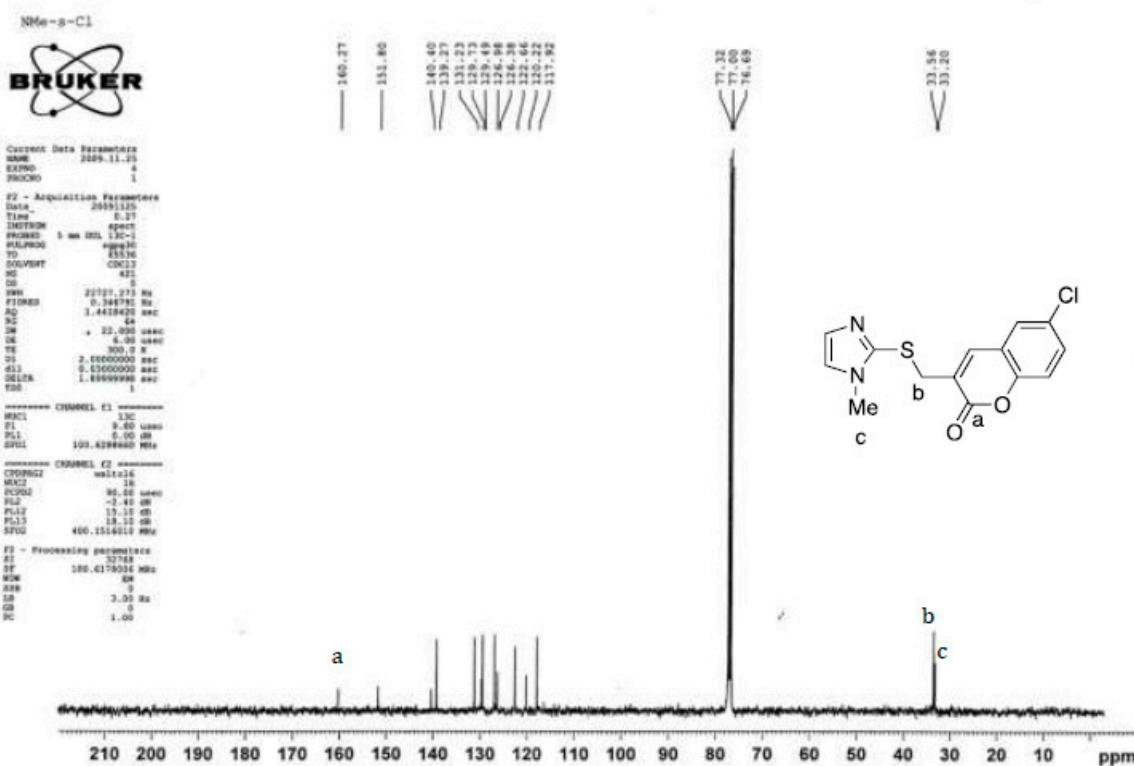


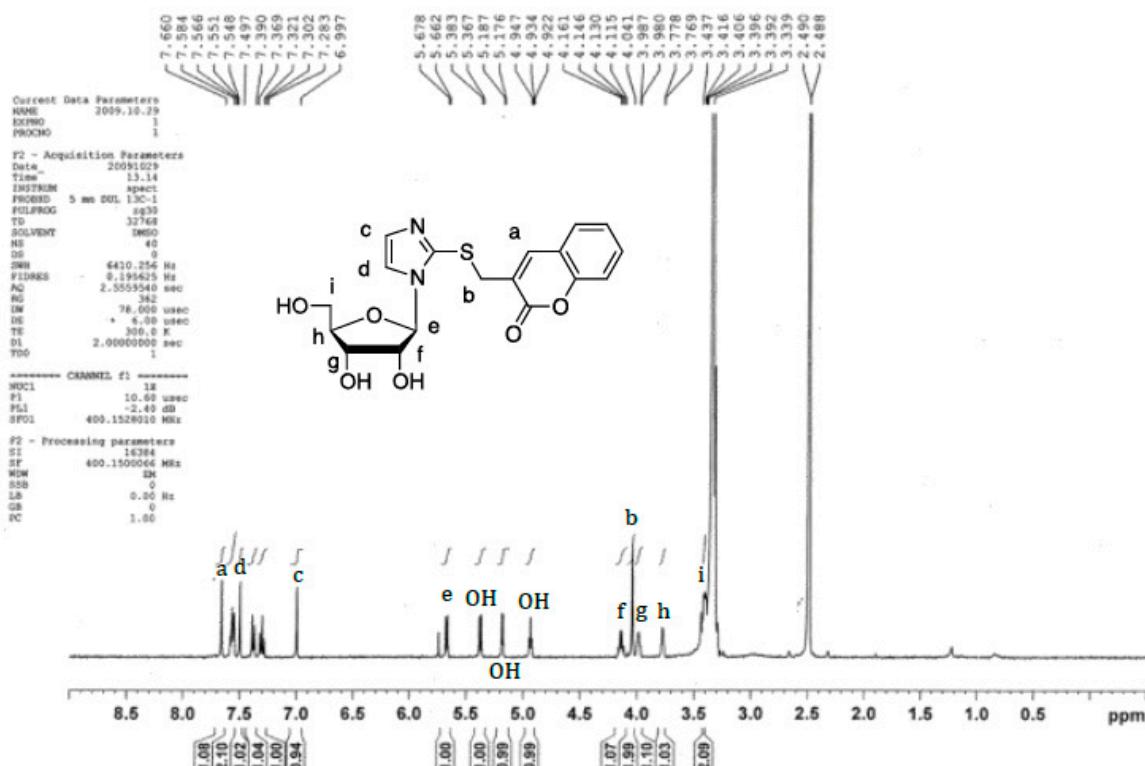
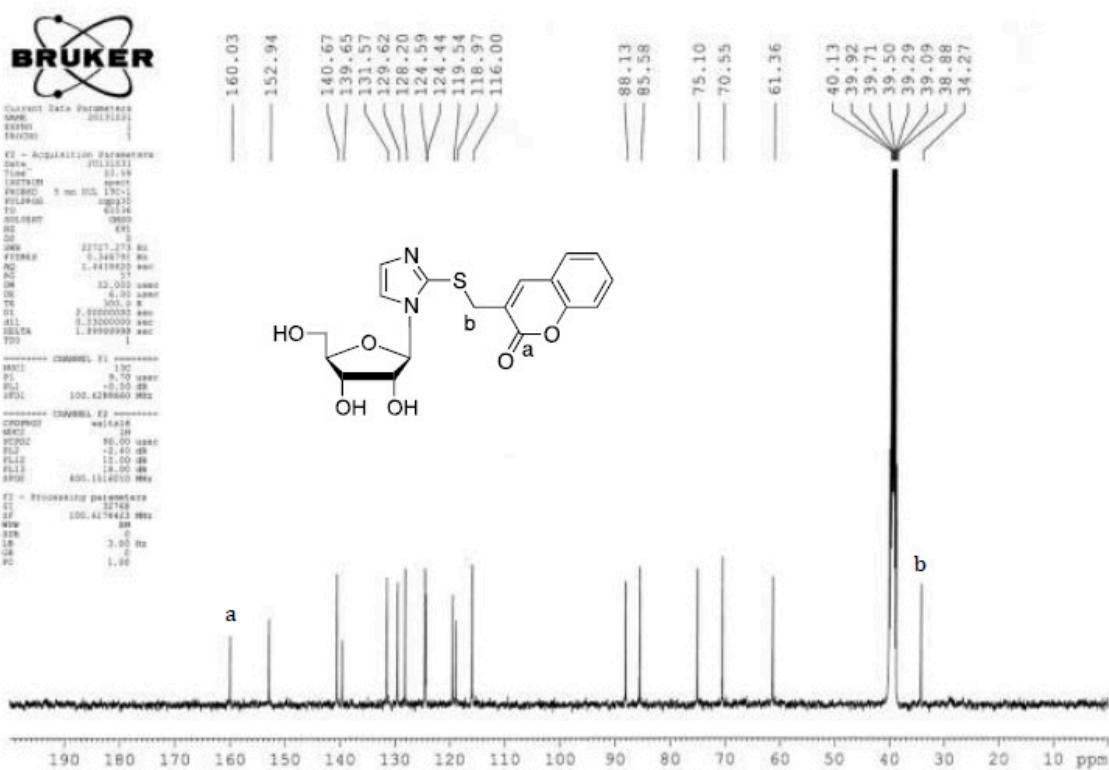
Figure S6. ^{13}C NMR spectrum of compound 3c.

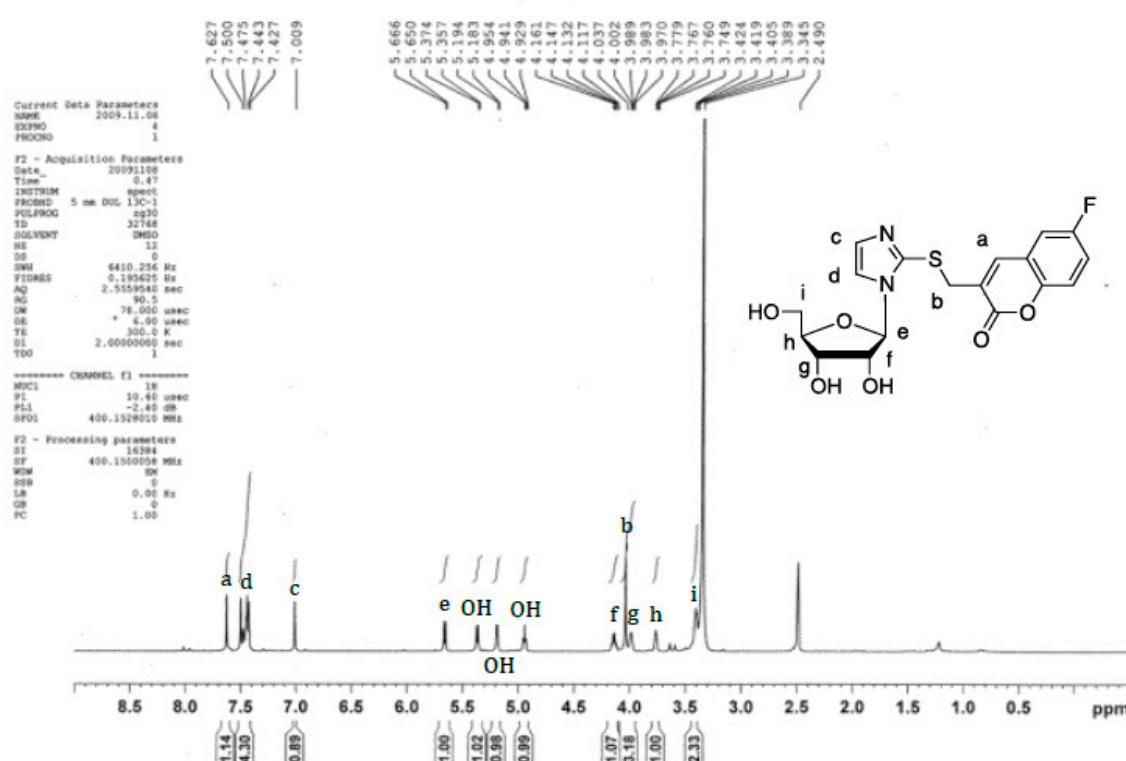
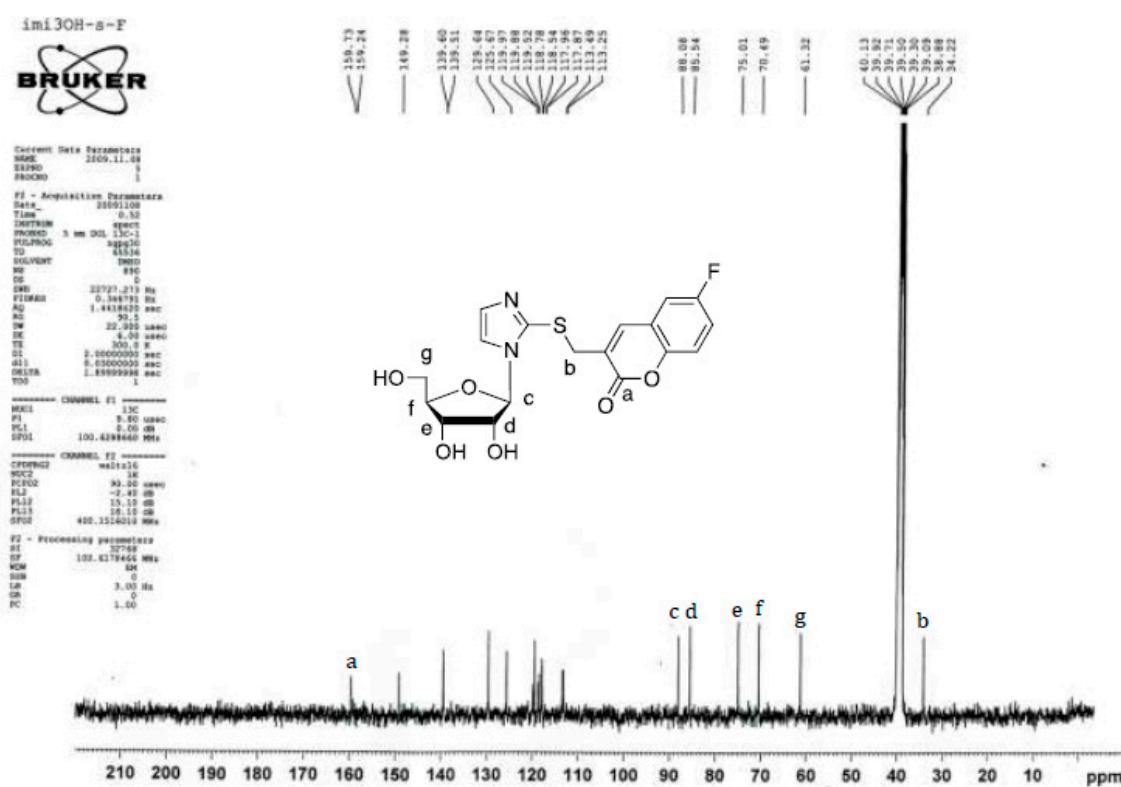
Figure S7. ^1H NMR spectrum of compound 3d.Figure S8. ^{13}C NMR spectrum of compound 3d.

Figure S9. ¹H NMR spectrum of compound 3e.Figure S10. ¹³C NMR spectrum of compound 3e.

Figure S11. ¹H NMR spectrum of compound 3f.Figure S12. ¹³C NMR spectrum of compound 3f.

Figure S13. ^1H NMR spectrum of compound 3g.Figure S14. ^{13}C NMR spectrum of compound 3g.

Figure S15. ^1H NMR spectrum of compound 7a.Figure S16. ^{13}C NMR spectrum of compound 7a.

Figure S17. ^1H NMR spectrum of compound 7b.Figure S18. ^{13}C NMR spectrum of compound 7b.

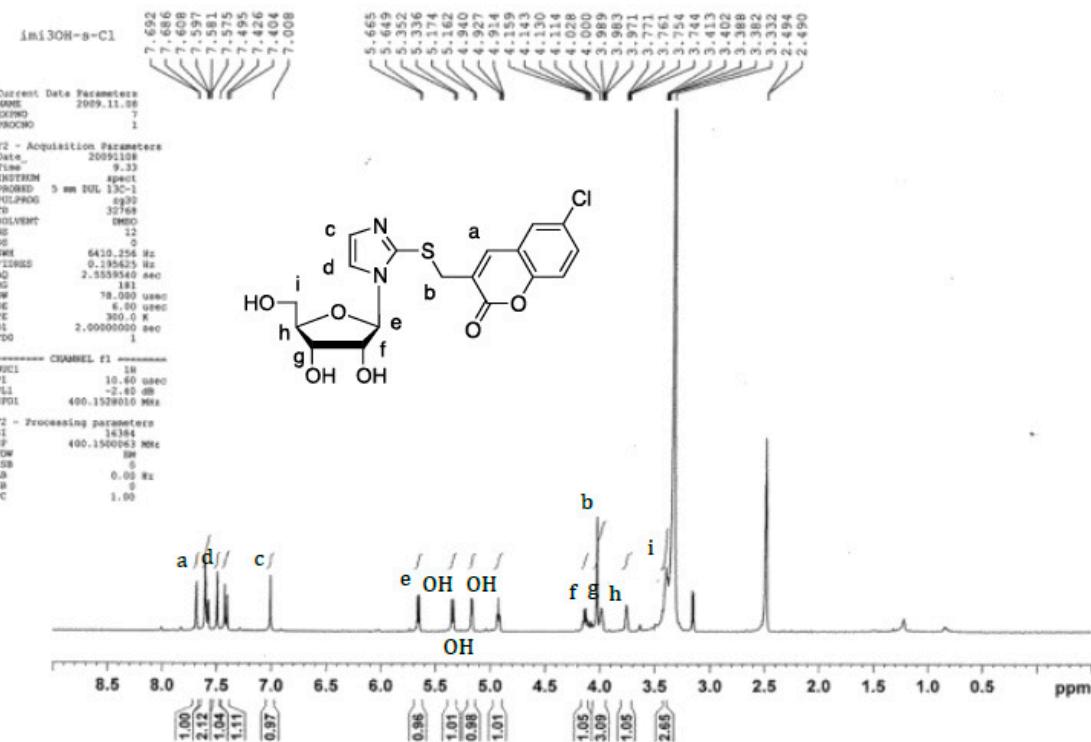


Figure S19. ^1H NMR spectrum of compound 7c.

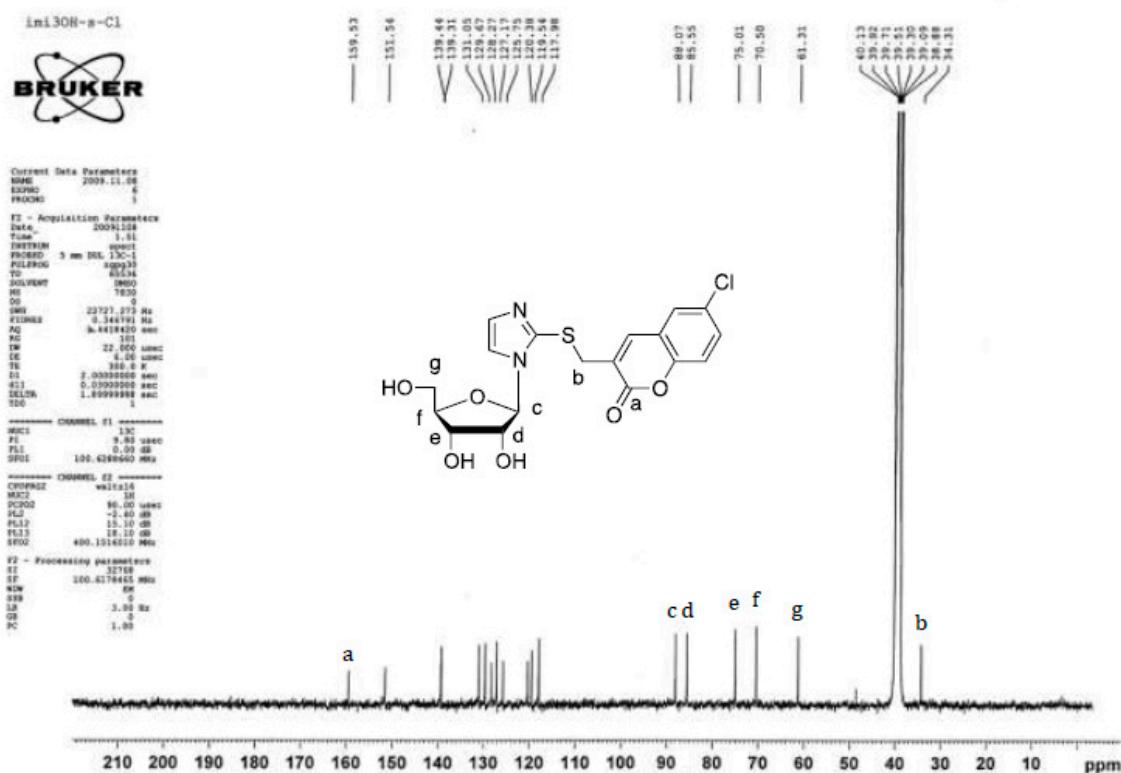


Figure S20. ^{13}C NMR spectrum of compound 7c.

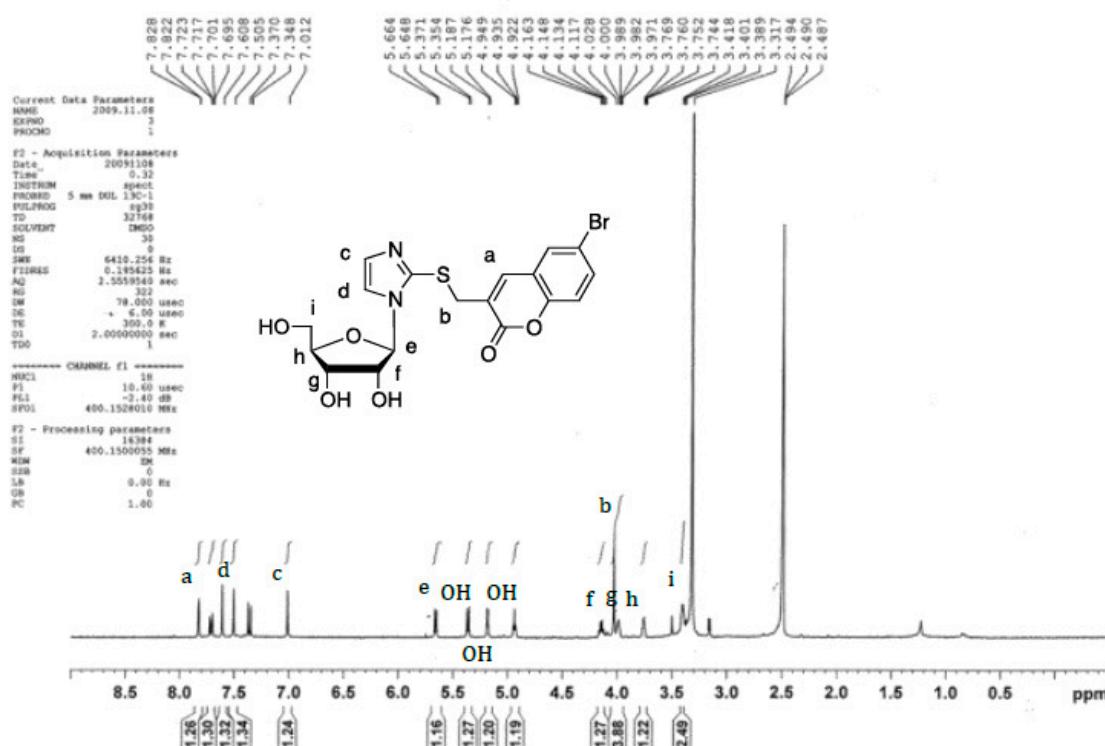


Figure S21. ^1H NMR spectrum of compound 7d.

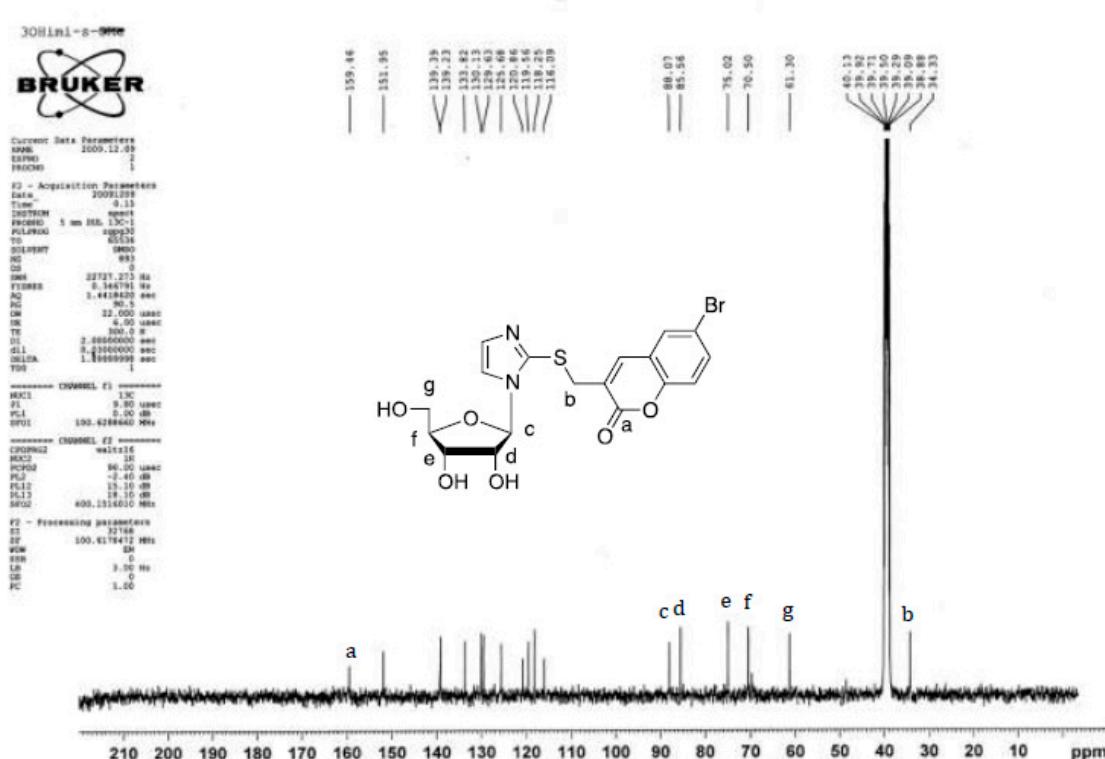


Figure S22. ^{13}C NMR spectrum of compound 7d.

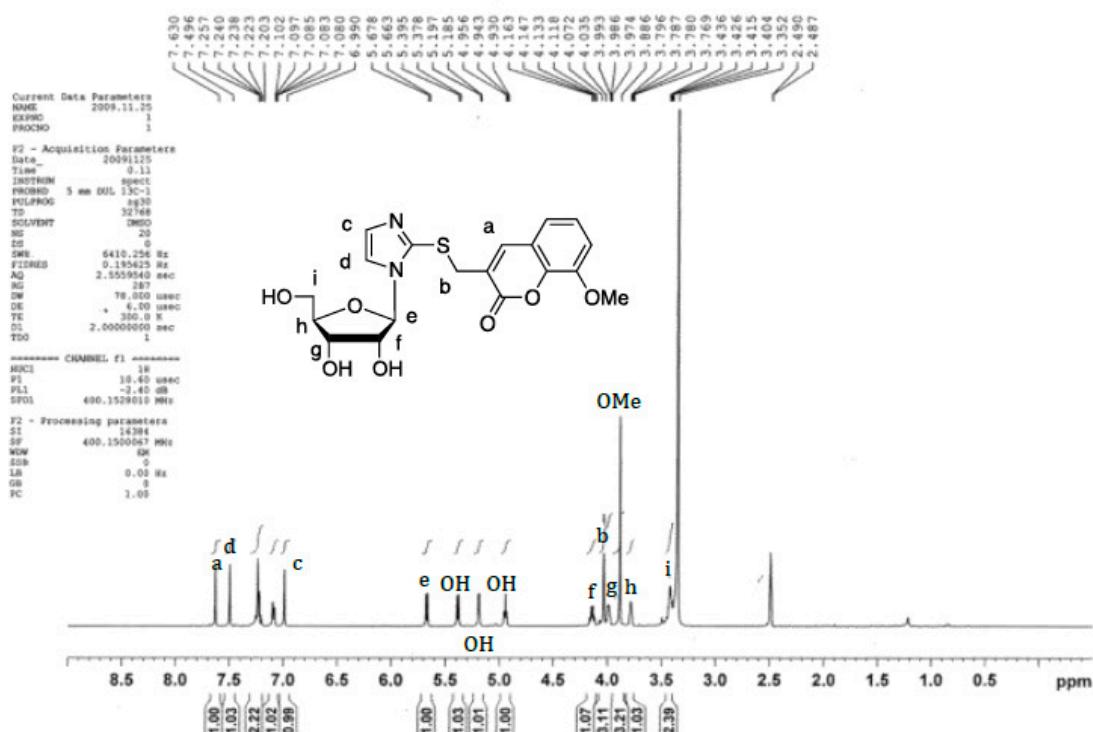


Figure S23. ^1H NMR spectrum of compound 7e.

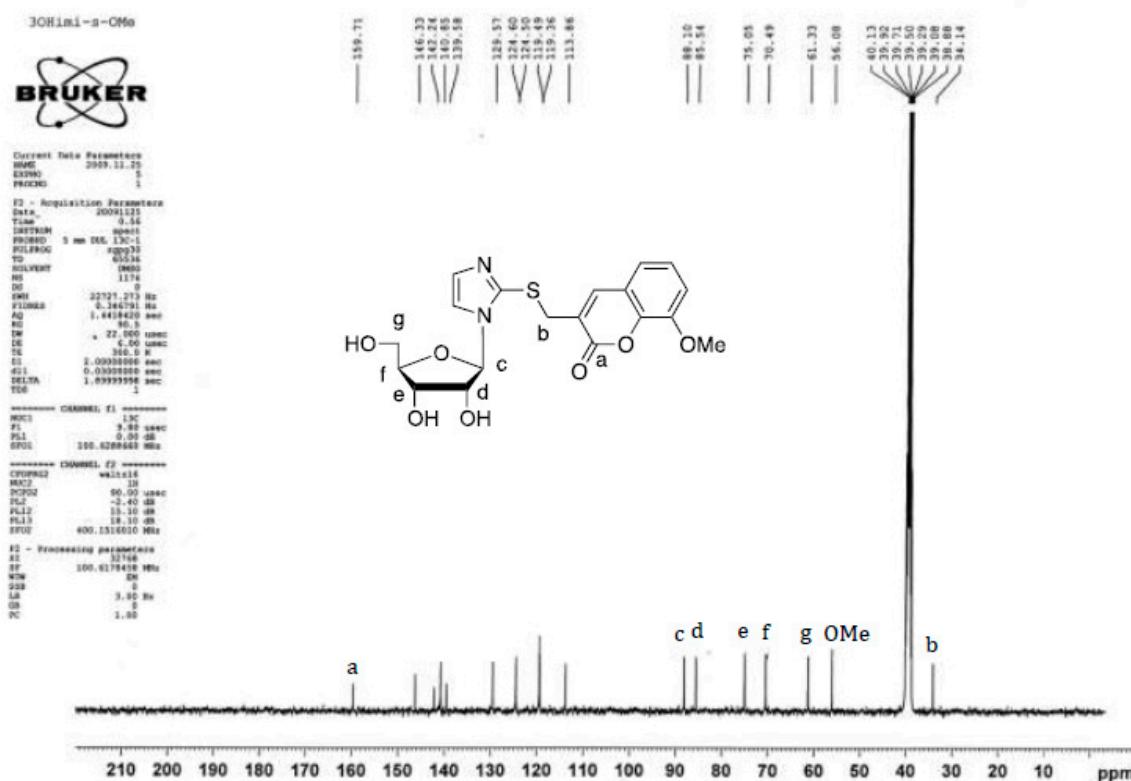


Figure S24. ^{13}C NMR spectrum of compound 7e.

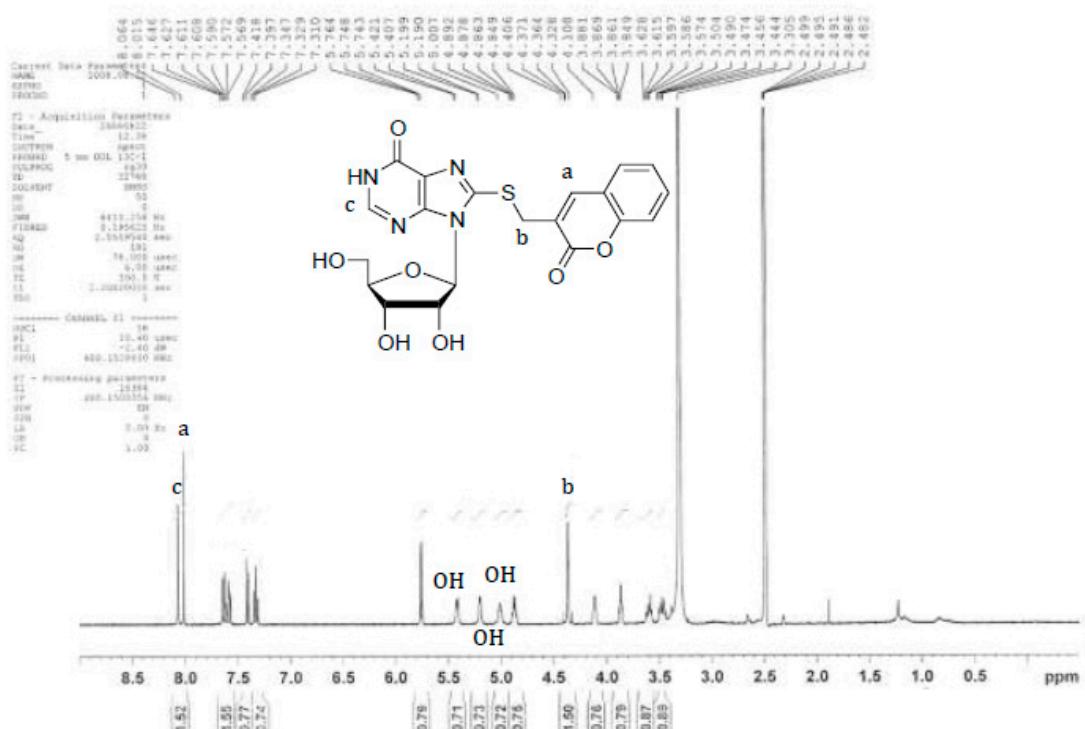


Figure S25. ^1H NMR spectrum of compound 9a.

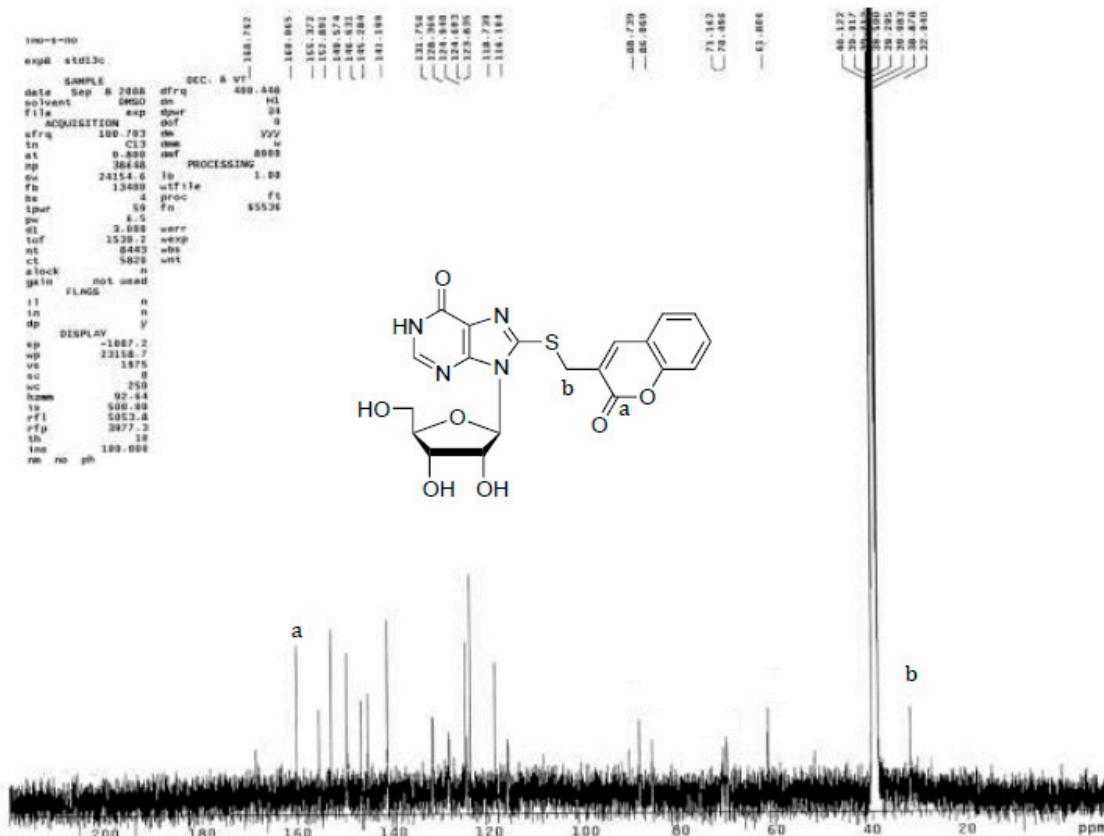
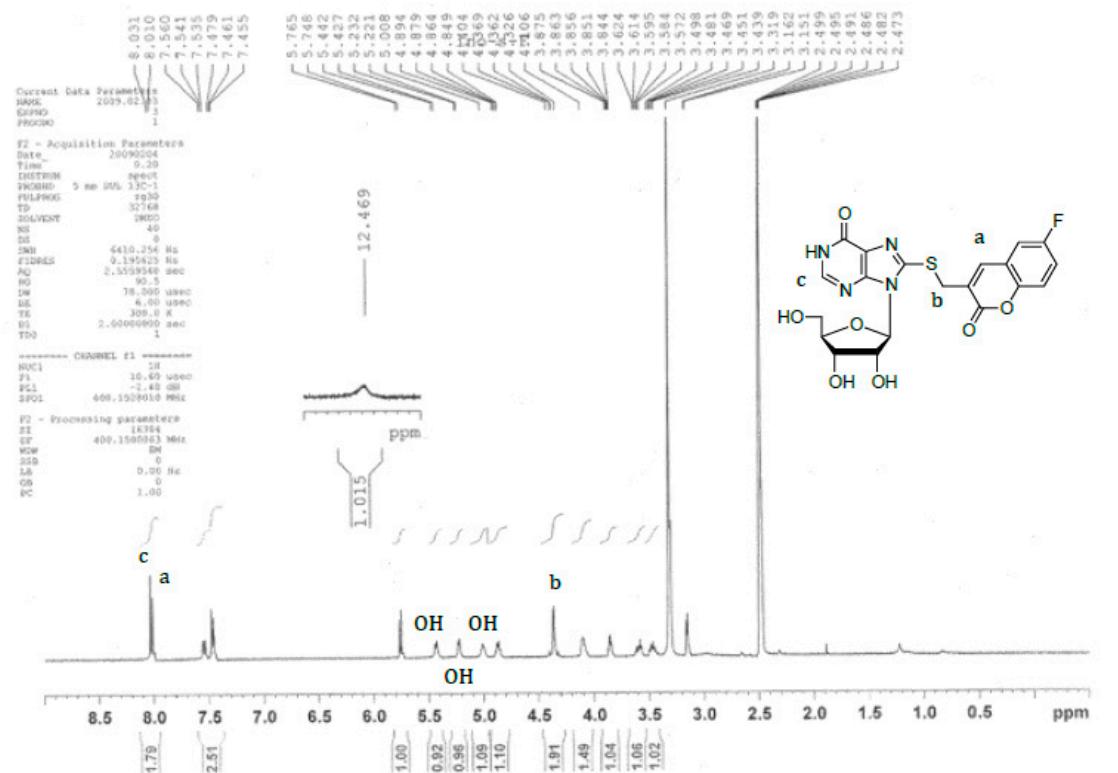
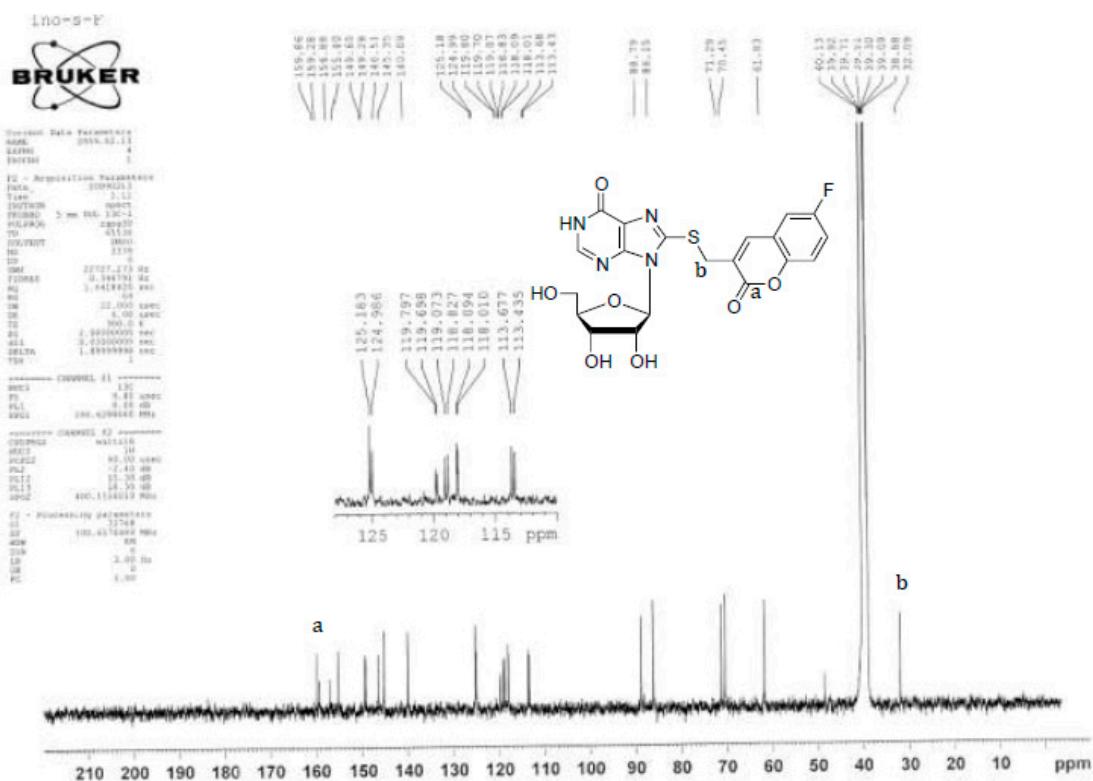
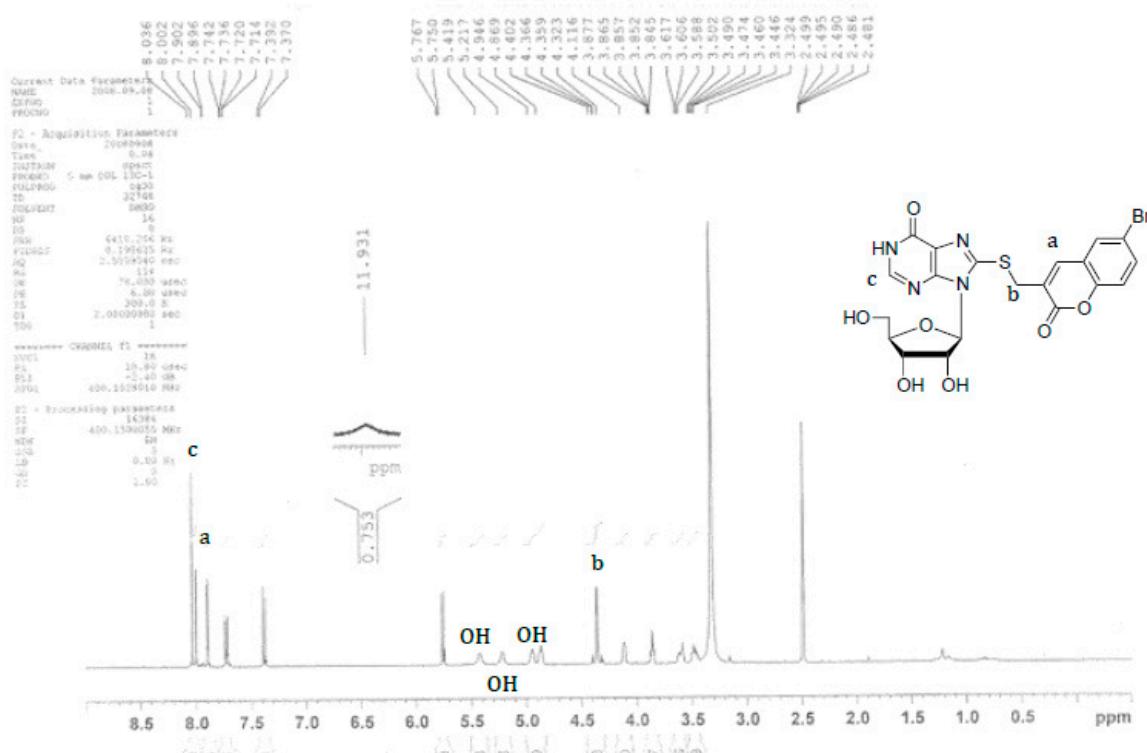
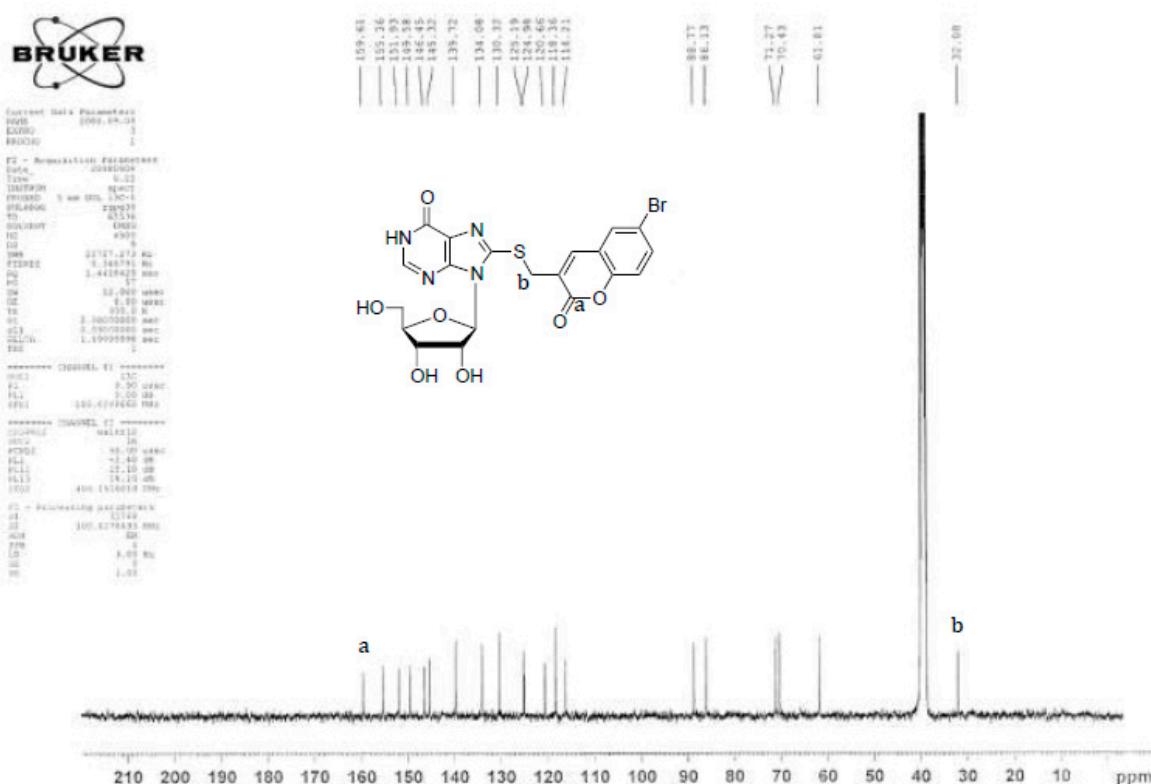


Figure S26. ^{13}C NMR spectrum of compound 9a.

Figure S27. ¹H NMR spectrum of compound 9b.Figure S28. ¹³C NMR spectrum of compound 9b.

Figure S29. ¹H NMR spectrum of compound 9d.Figure S30. ¹³C NMR spectrum of compound 9d.

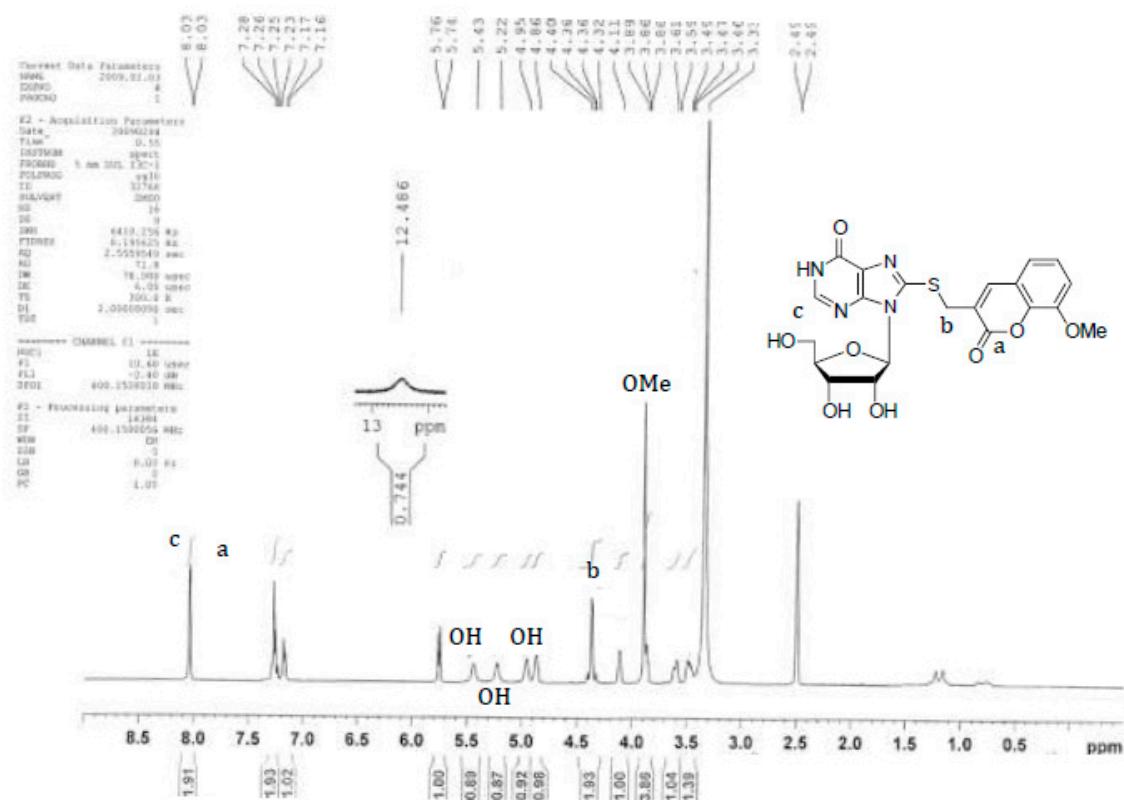


Figure S31. ^1H NMR spectrum of compound 9e.

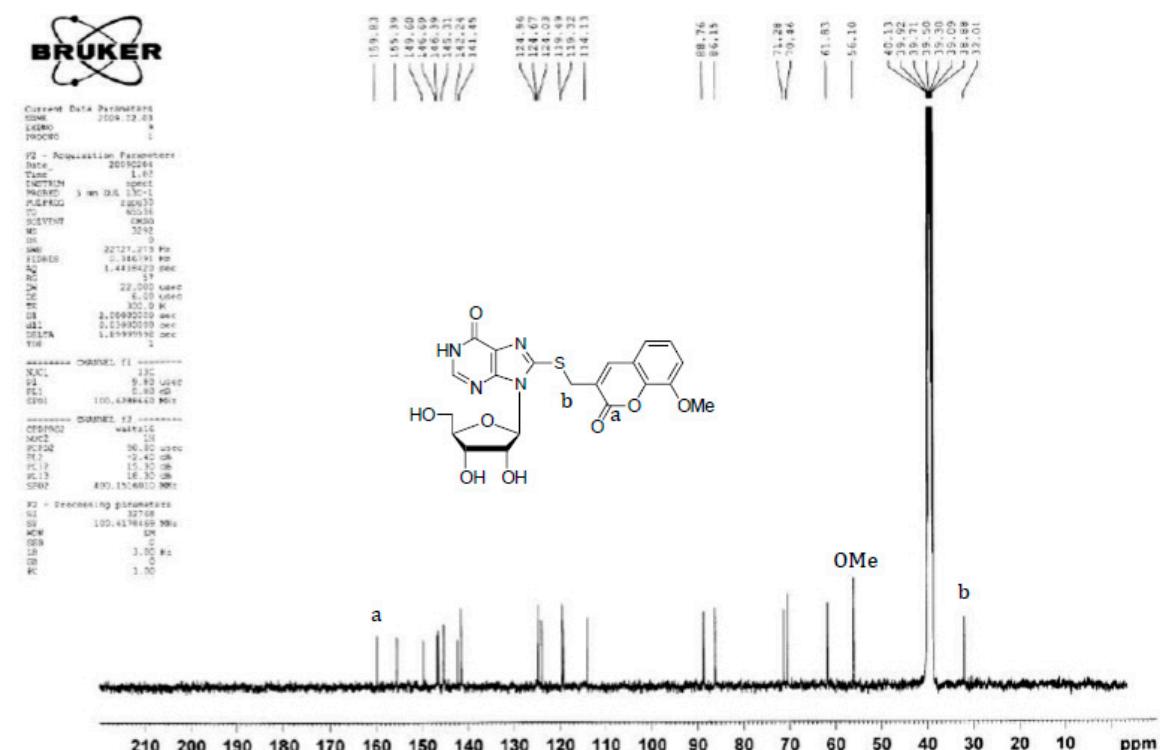
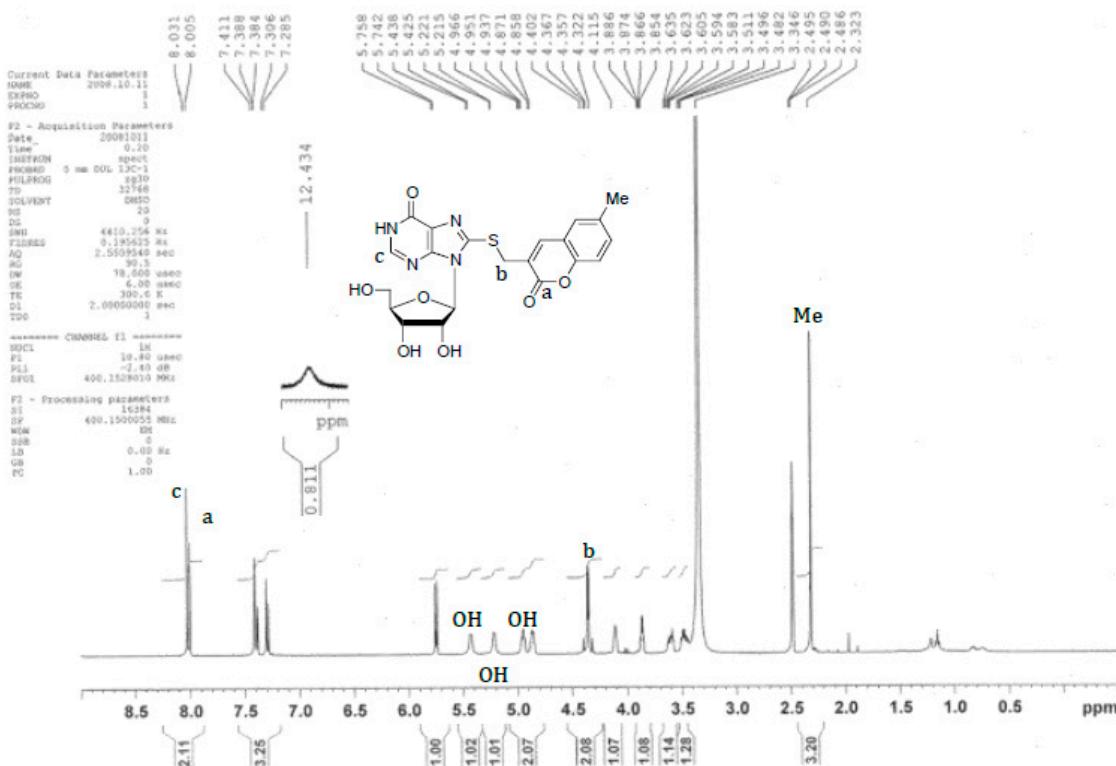
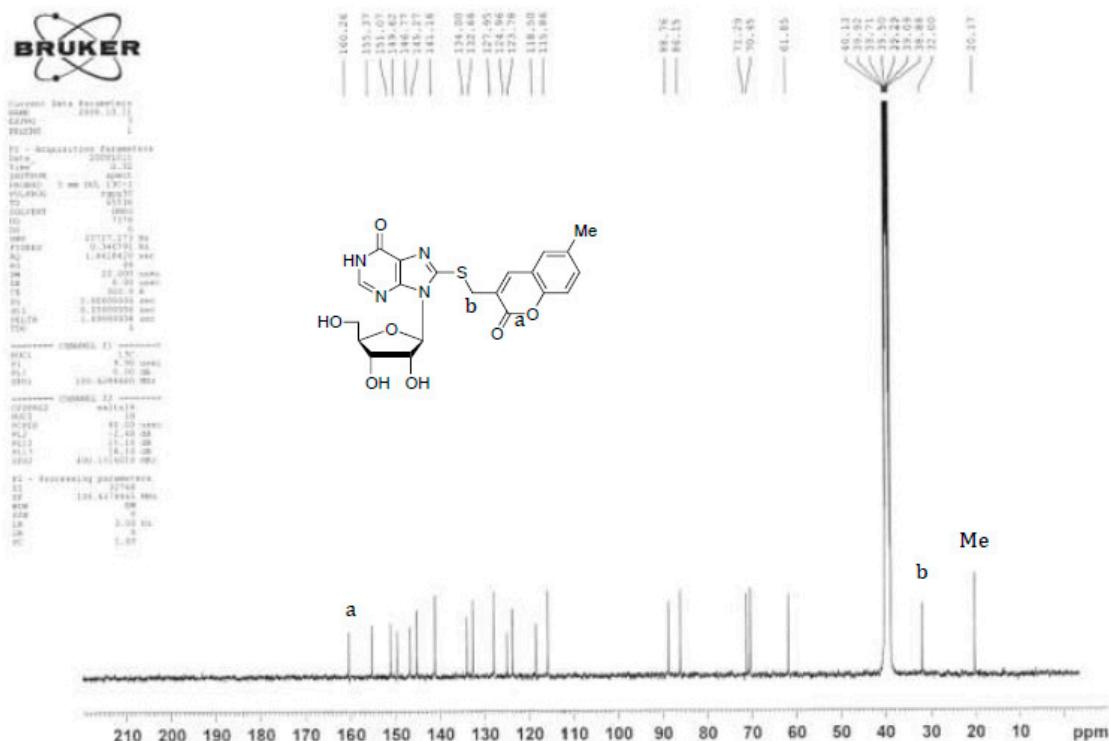
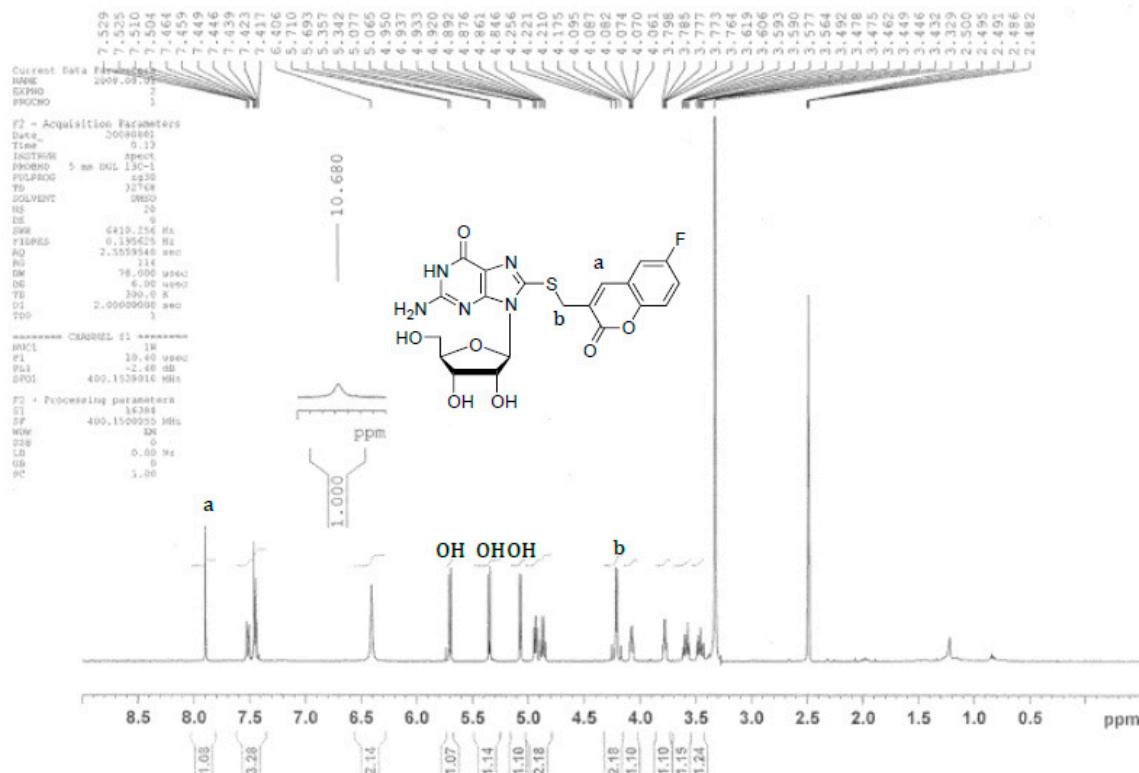
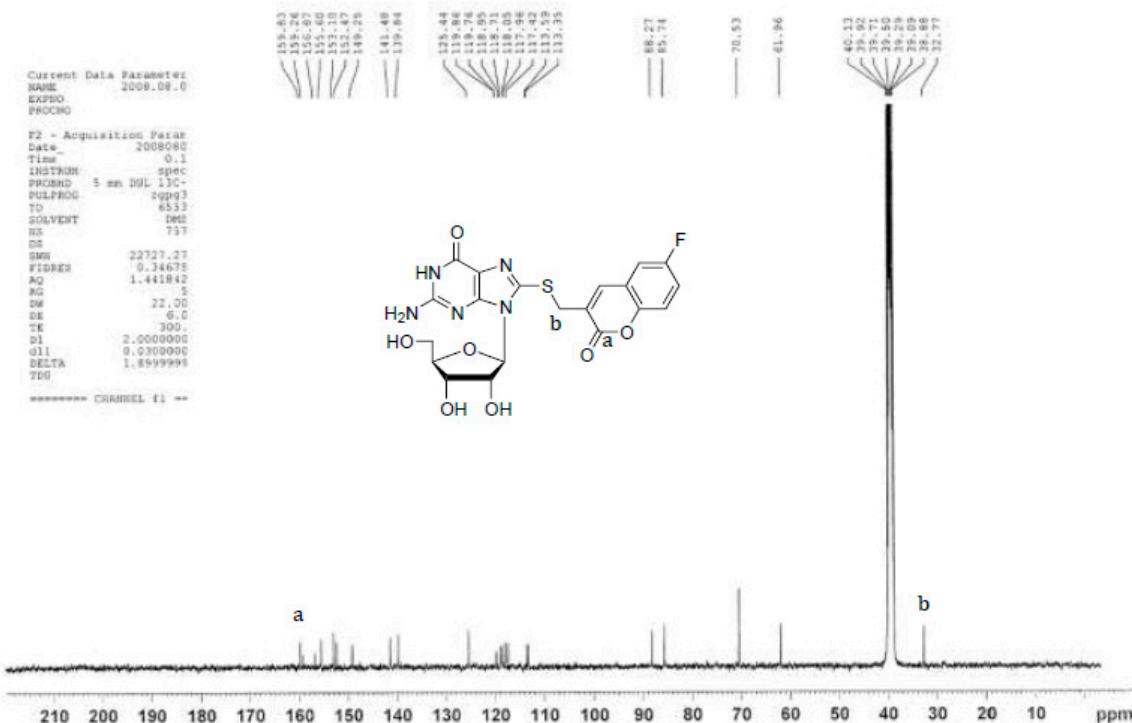
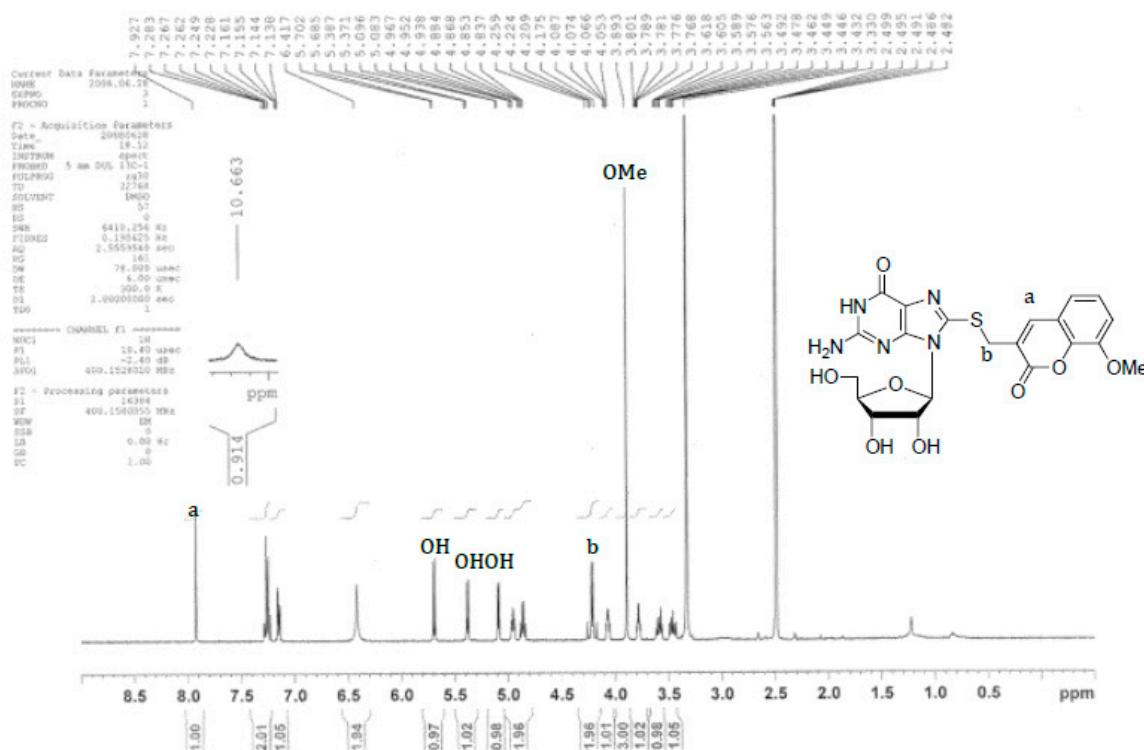
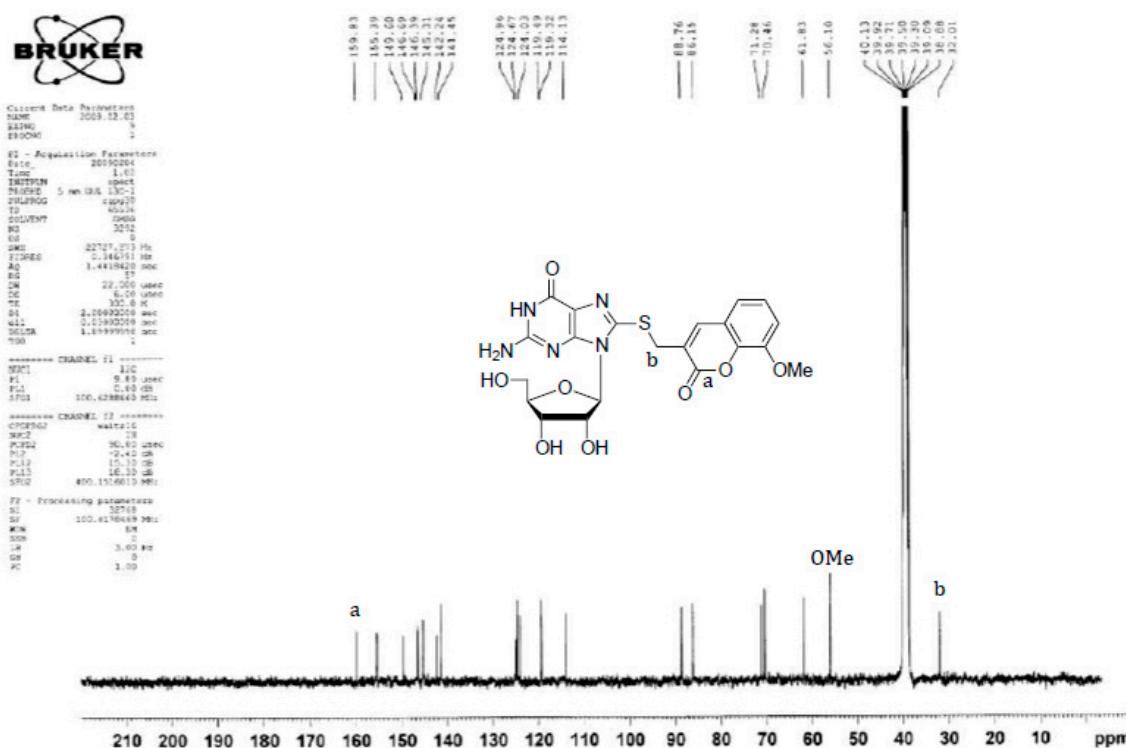


Figure S32. ^{13}C NMR spectrum of compound 9e.

Figure S33. ^1H NMR spectrum of compound 9f.Figure S34. ^{13}C NMR spectrum of compound 9f.

Figure S35. ^1H NMR spectrum of compound 11b.Figure S36. ^{13}C NMR spectrum of compound 11b.

Figure S37. ¹H NMR spectrum of compound 11e.Figure S38. ¹³C NMR spectrum of compound 11e.

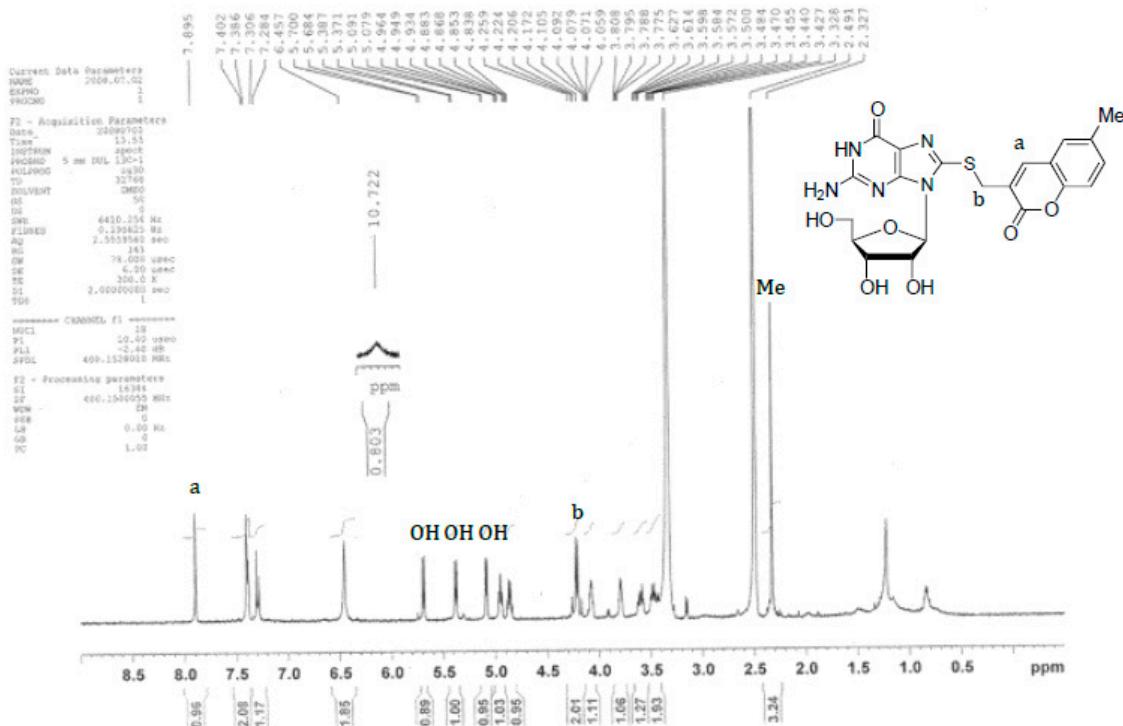


Figure S39. ^1H NMR spectrum of compound **11f**.

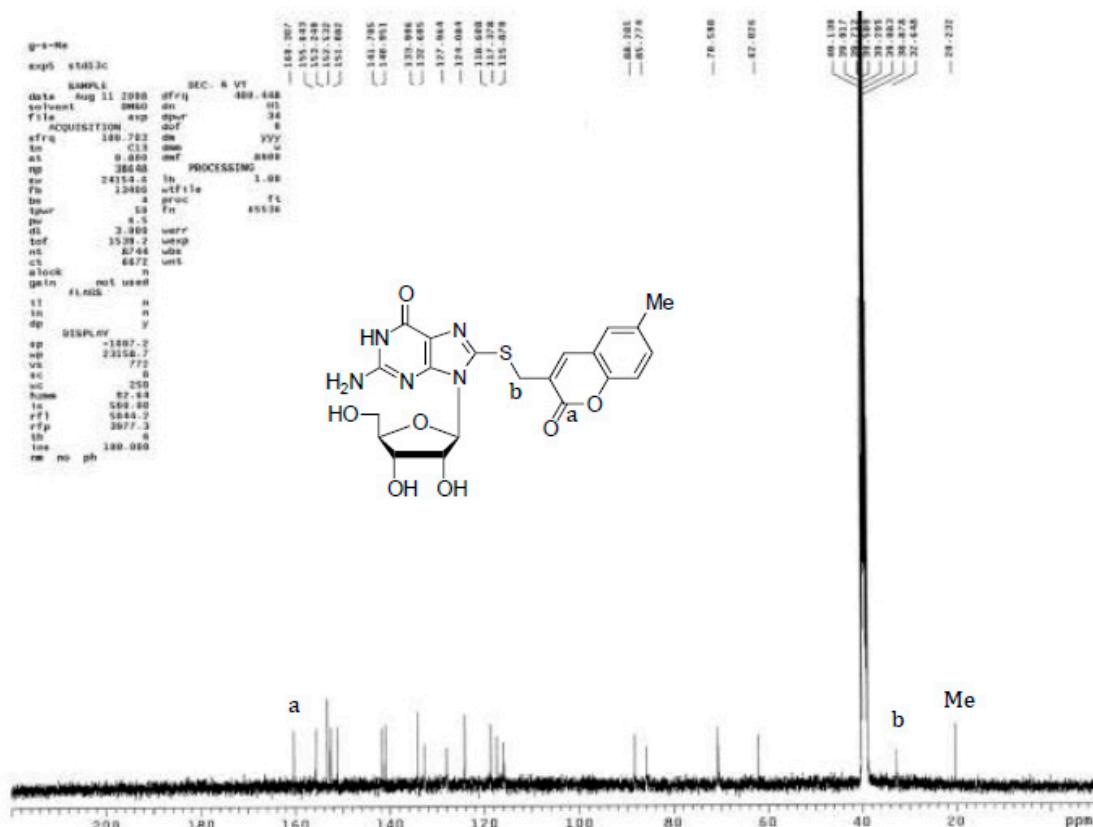


Figure S40. ^{13}C NMR spectrum of compound 11f.