

Supplementary Information

Thiazolidin-4-ones from 3-(Aminomethyl)pyridine, Arenealdehydes and Mercaptoacetic Acid: Synthesis and Radical Scavenger Activity

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The ¹H and ¹³C NMR spectra recorded on a Varian Oxford AS-400 spectrometer, the fids were proceeding in the ACD/Lab 6.00 - ACD/SpecManager software.

The ¹H and ¹³C NMR spectra recorded on a Bruker Ac-200F spectrometer, the fids were proceeding in the MestReC 4.7.0.0. software.

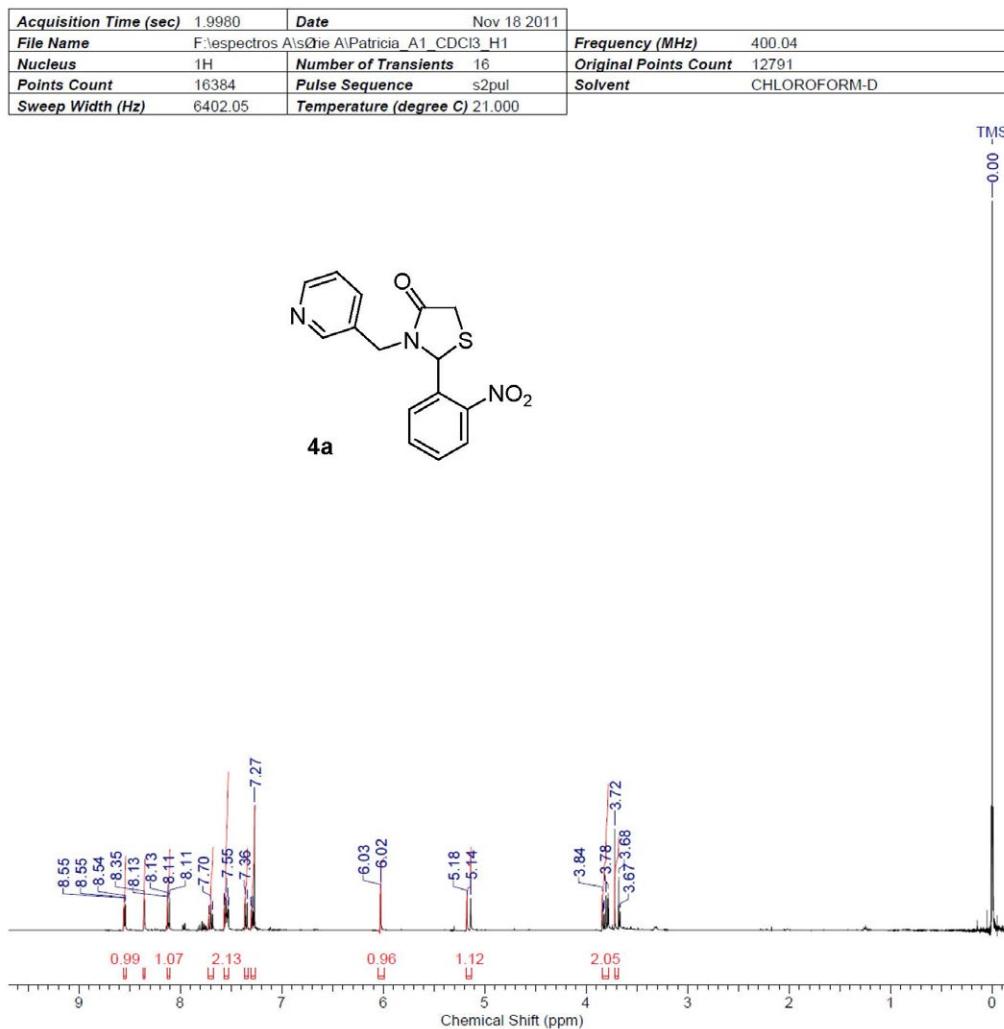


Figure S1. ¹H NMR spectrum (400 MHz, CDCl₃) of compound 4a.

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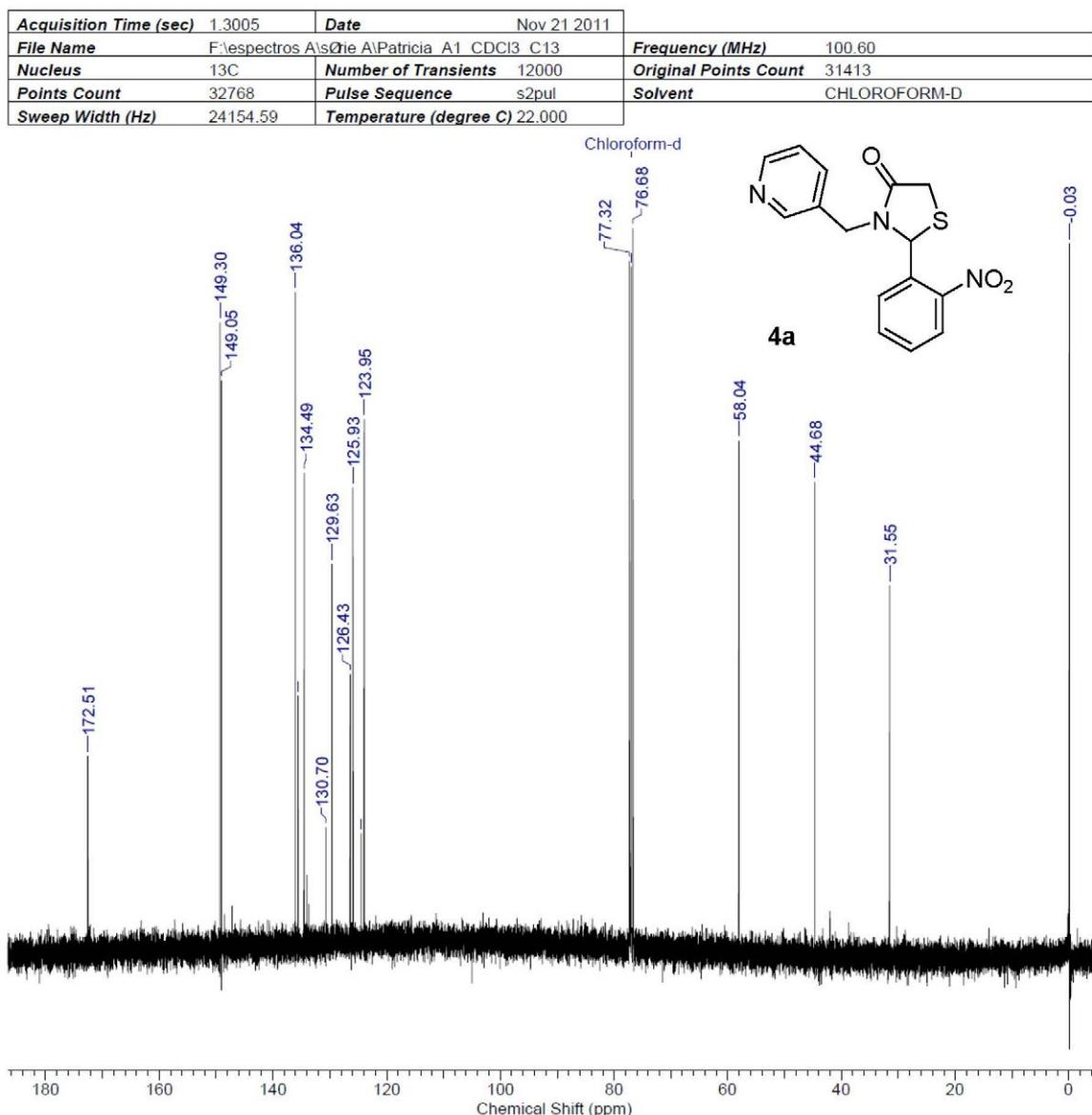


Figure S2. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound 4a.

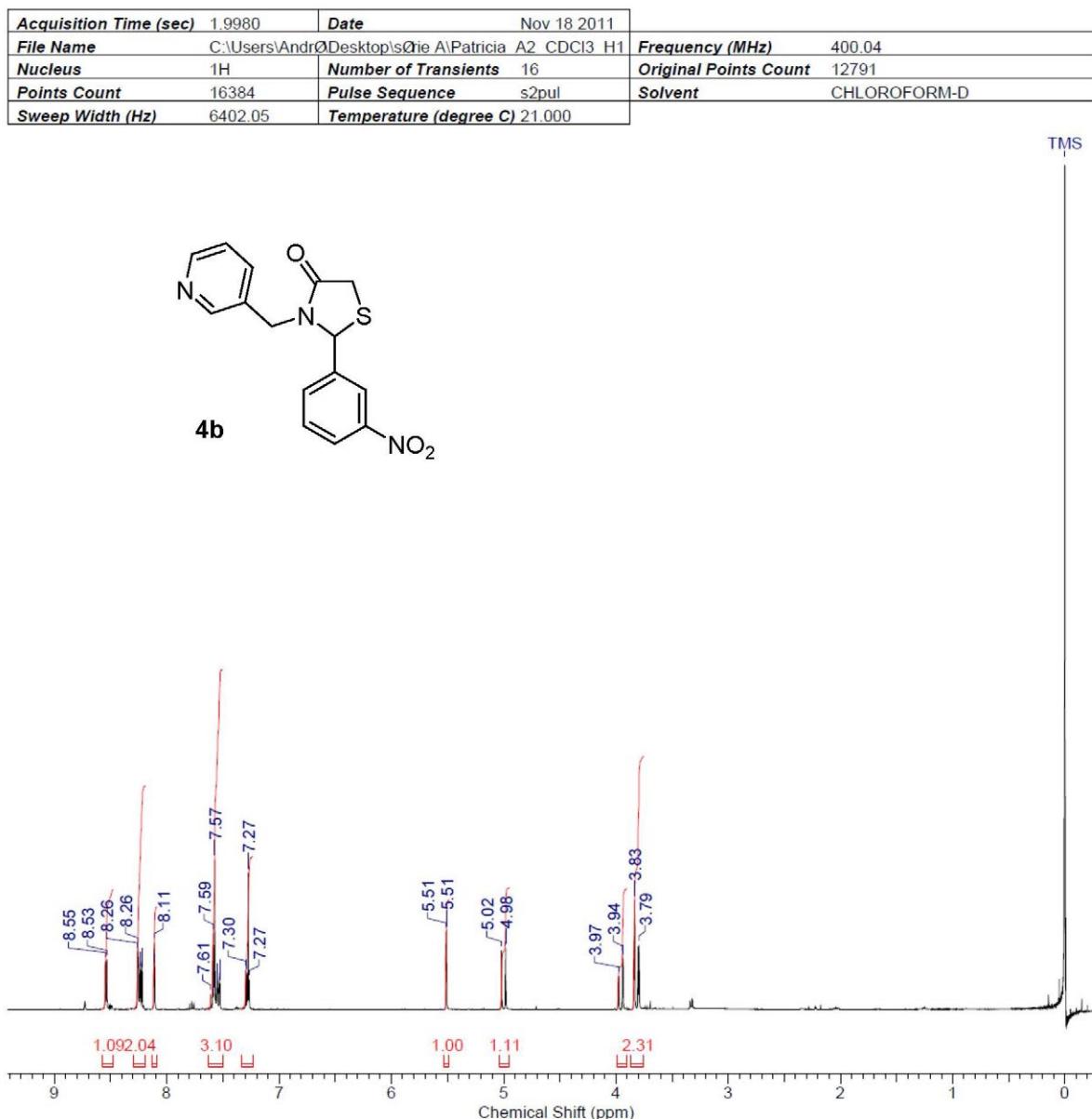


Figure S3. ^1H NMR spectrum (400 MHz, CDCl_3) of compound **4b**.

Acquisition Time (sec)	1.3005	Date	Apr 2 2013	File Name	F:\espectros A\A2 R 3-NO2\C13\fid.txt
Frequency (MHz)	100.60	Nucleus	13C	Number of Transients	2000
Original Points Count	31413	Points Count	32768	Pulse Sequence	s2pul
Solvent	CHLOROFORM-D			Sweep Width (Hz)	24154.59
Temperature (degree C)	19.000				

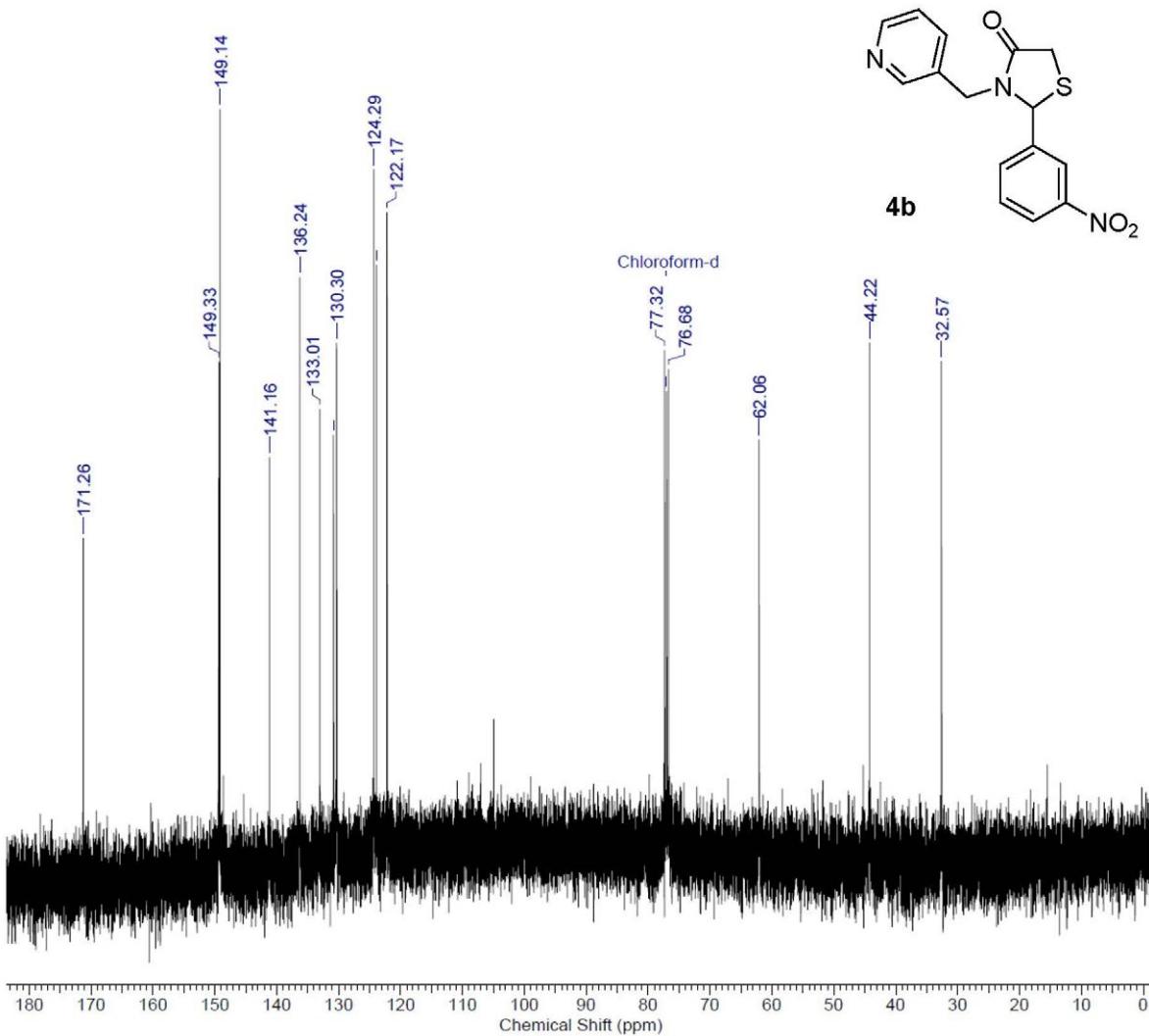


Figure S4. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound **4b**.

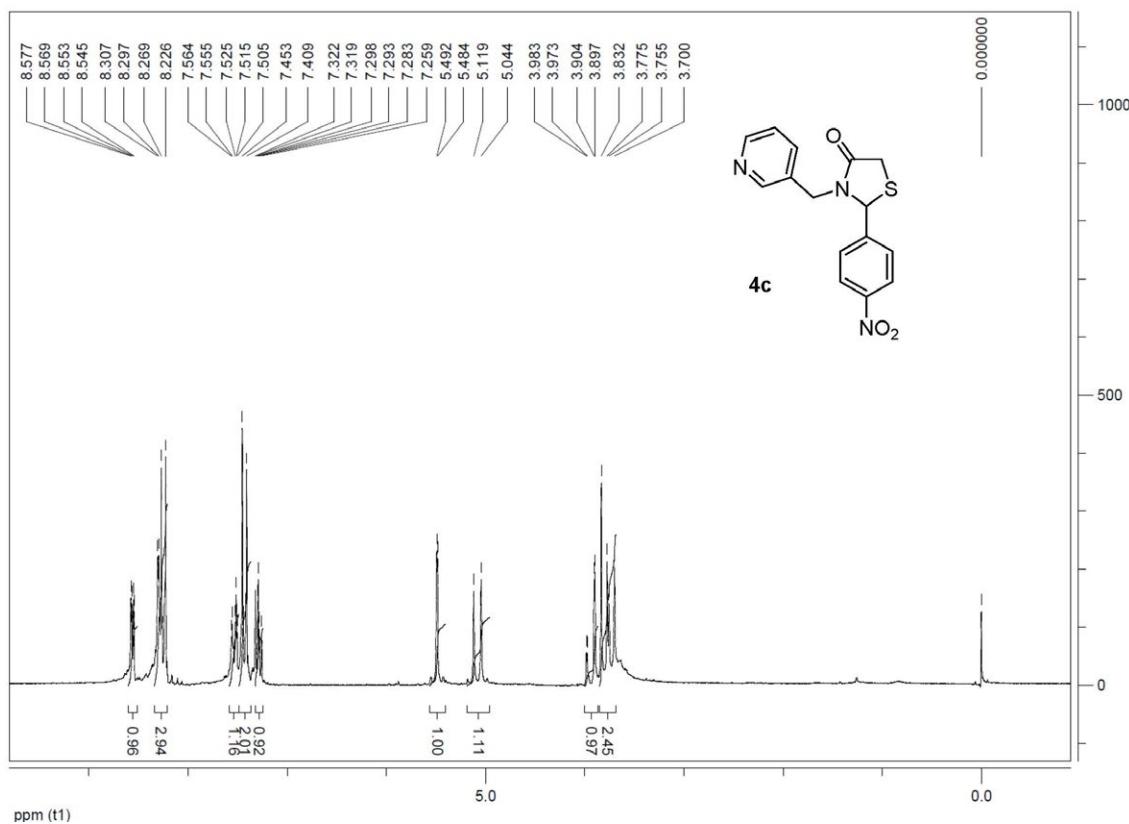


Figure S5. ^1H NMR spectrum (200 MHz, CDCl_3) of compound **4c**.

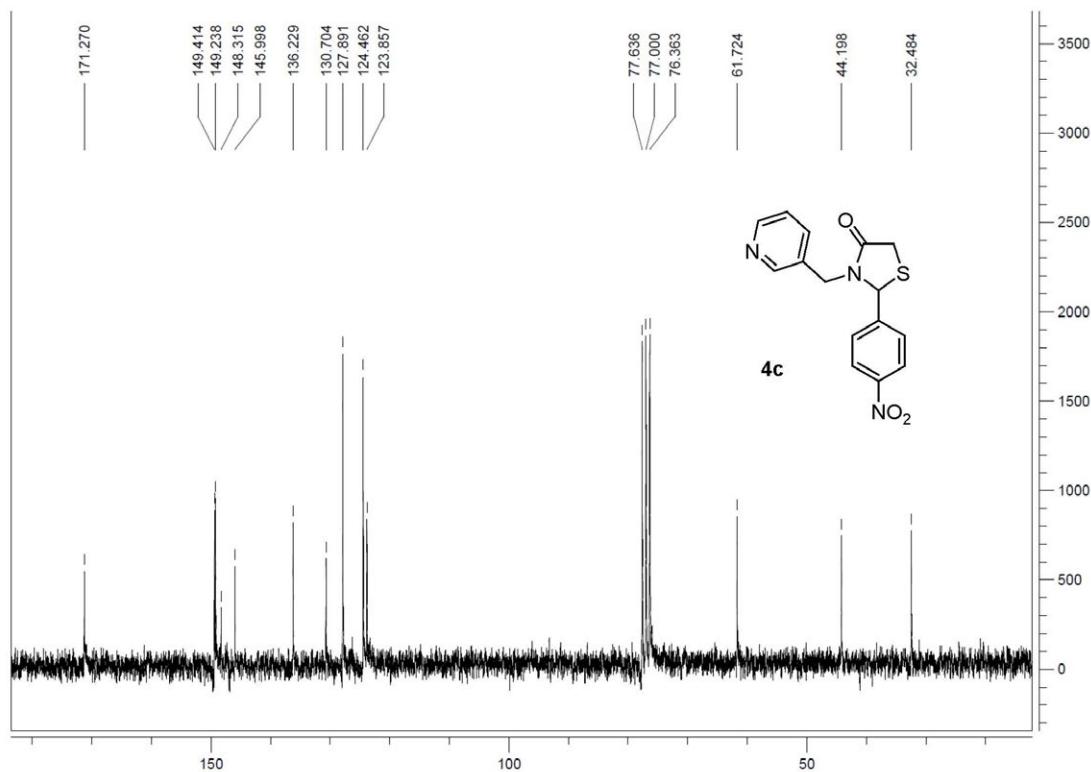


Figure S6. ^{13}C NMR spectrum (50 MHz, CDCl_3) of compound **4c**.

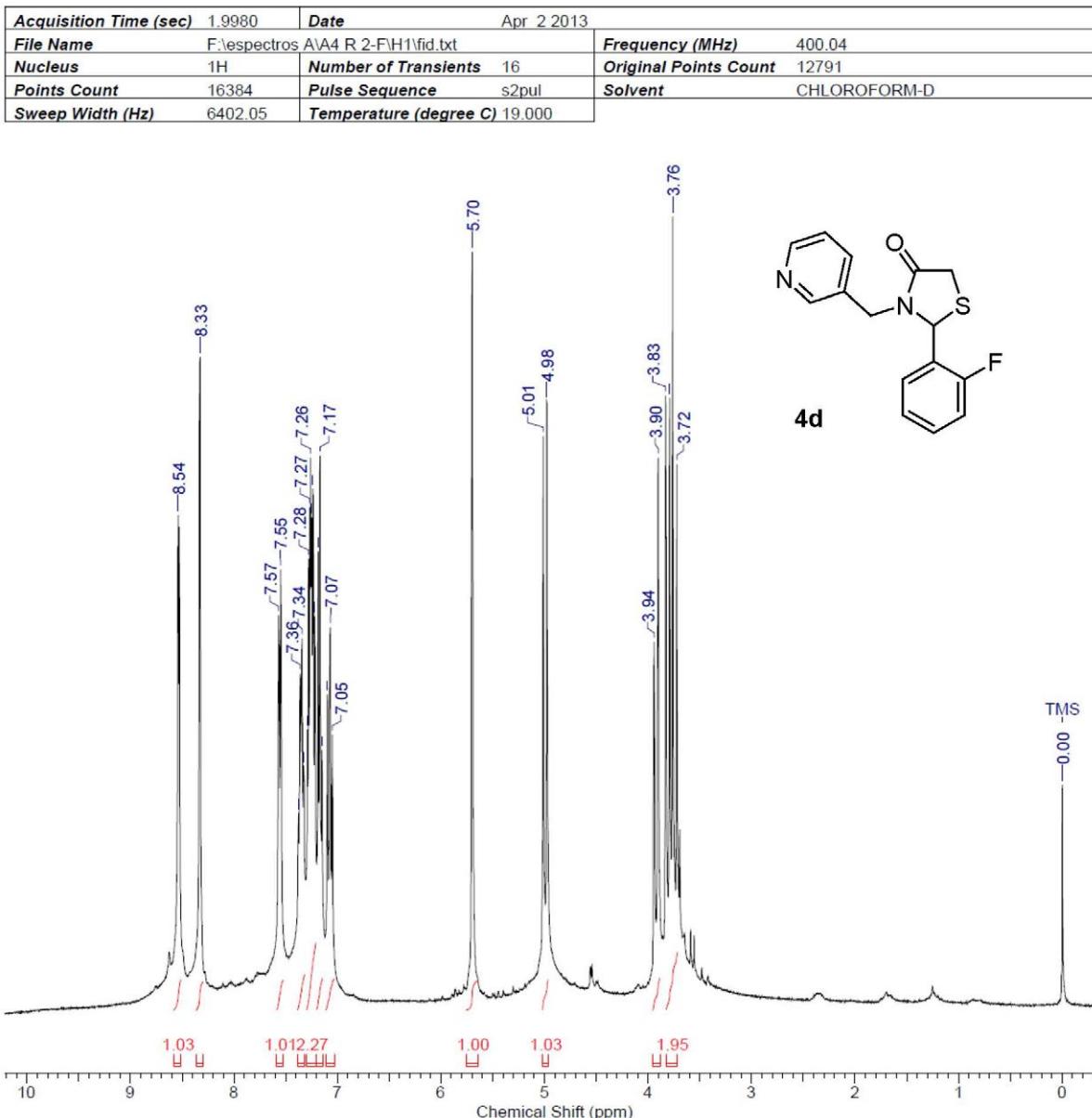


Figure S7. ¹H NMR spectrum (400 MHz, CDCl₃) of compound 4d.

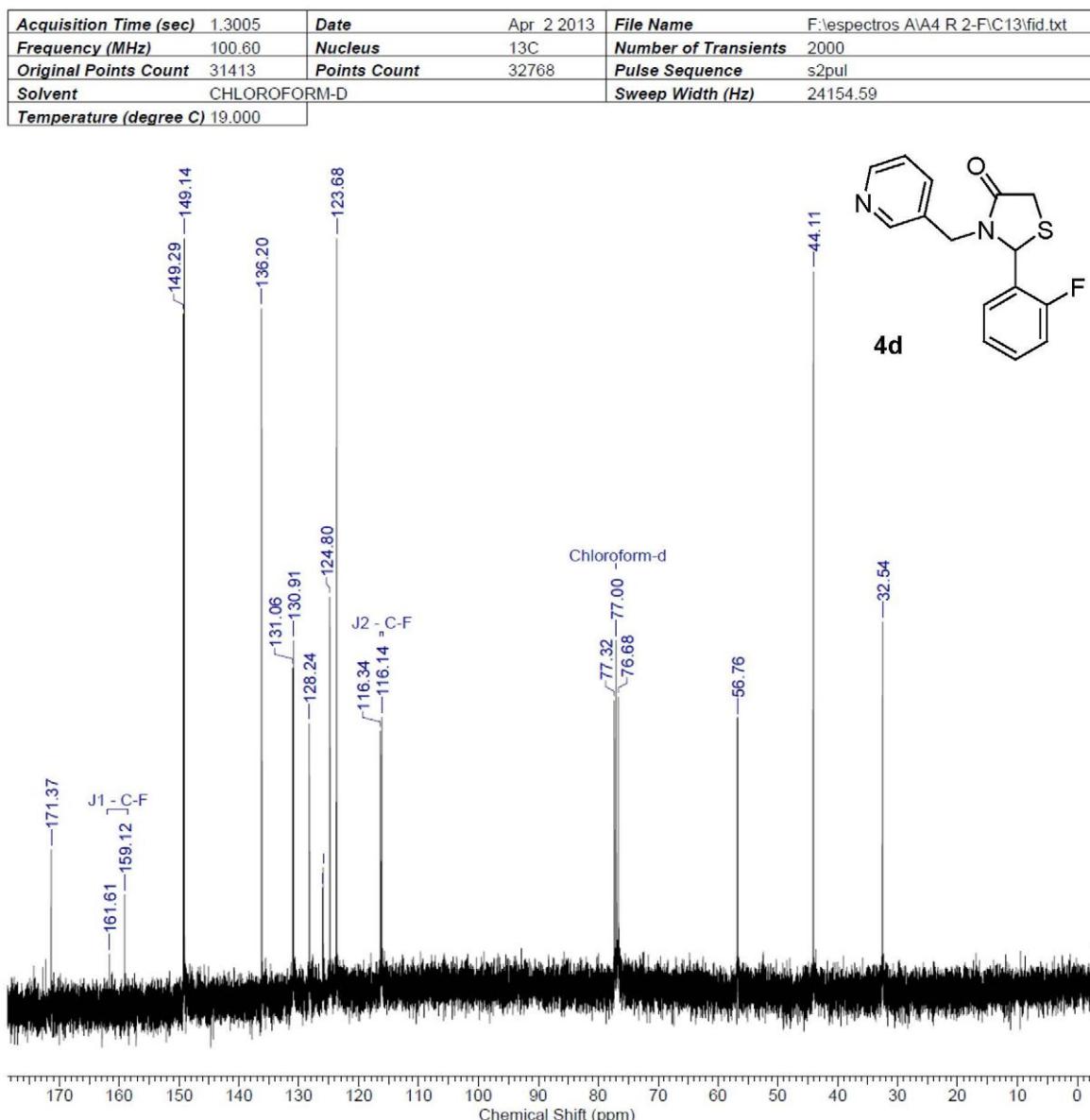


Figure S8. ¹³C NMR spectrum (100 MHz, CDCl₃) of compound 4d.

Acquisition Time (sec)	1.9980	Date	Apr 1 2013
File Name	F:\espectros AIA5 R 3-F\H1\fid.txt	Frequency (MHz)	400.04
Nucleus	1H	Number of Transients	16
Points Count	16384	Pulse Sequence	s2pul
Sweep Width (Hz)	6402.05	Temperature (degree C)	19.000

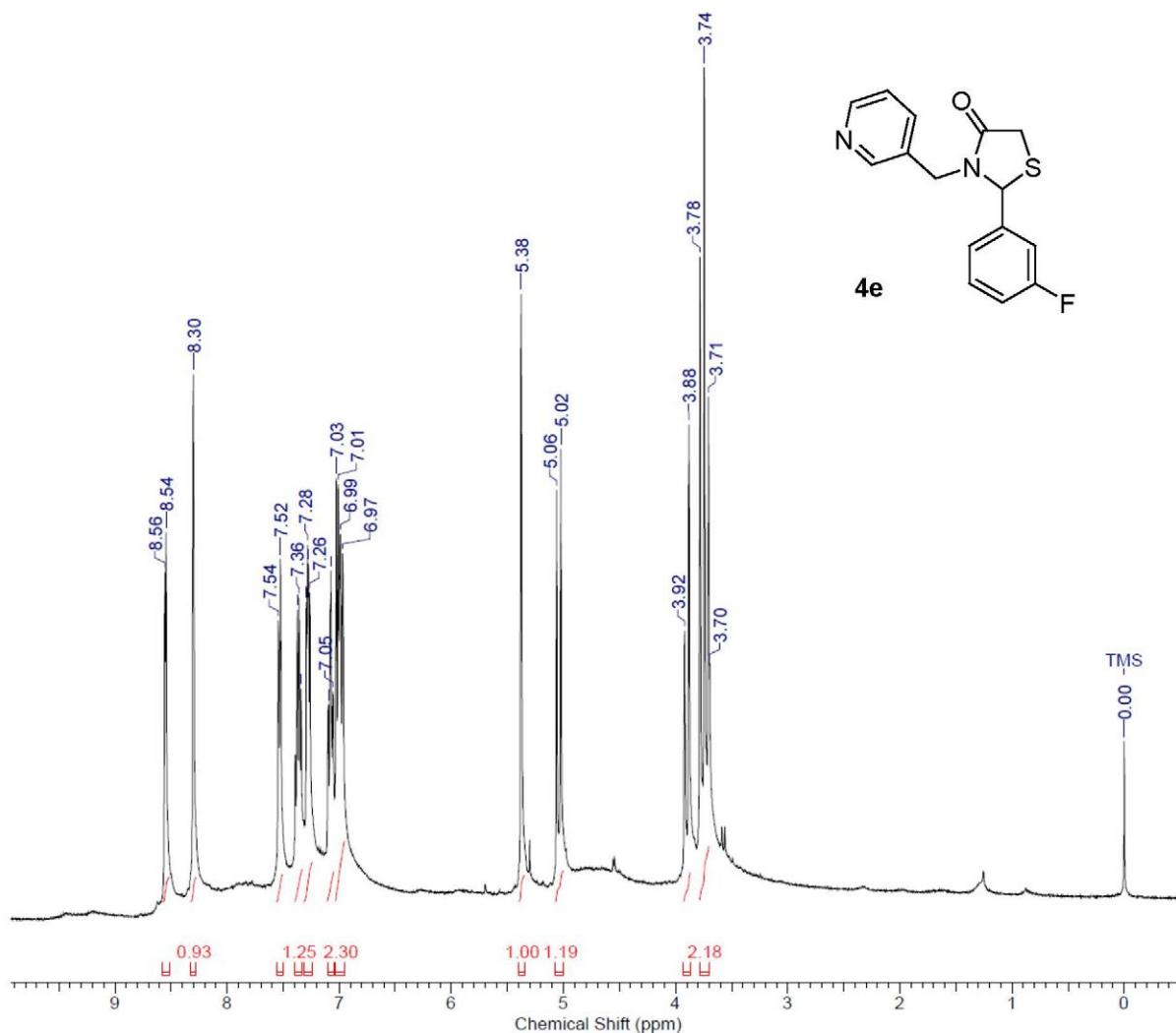


Figure S9. ^1H NMR spectrum (400 MHz, CDCl_3) of compound 4e.

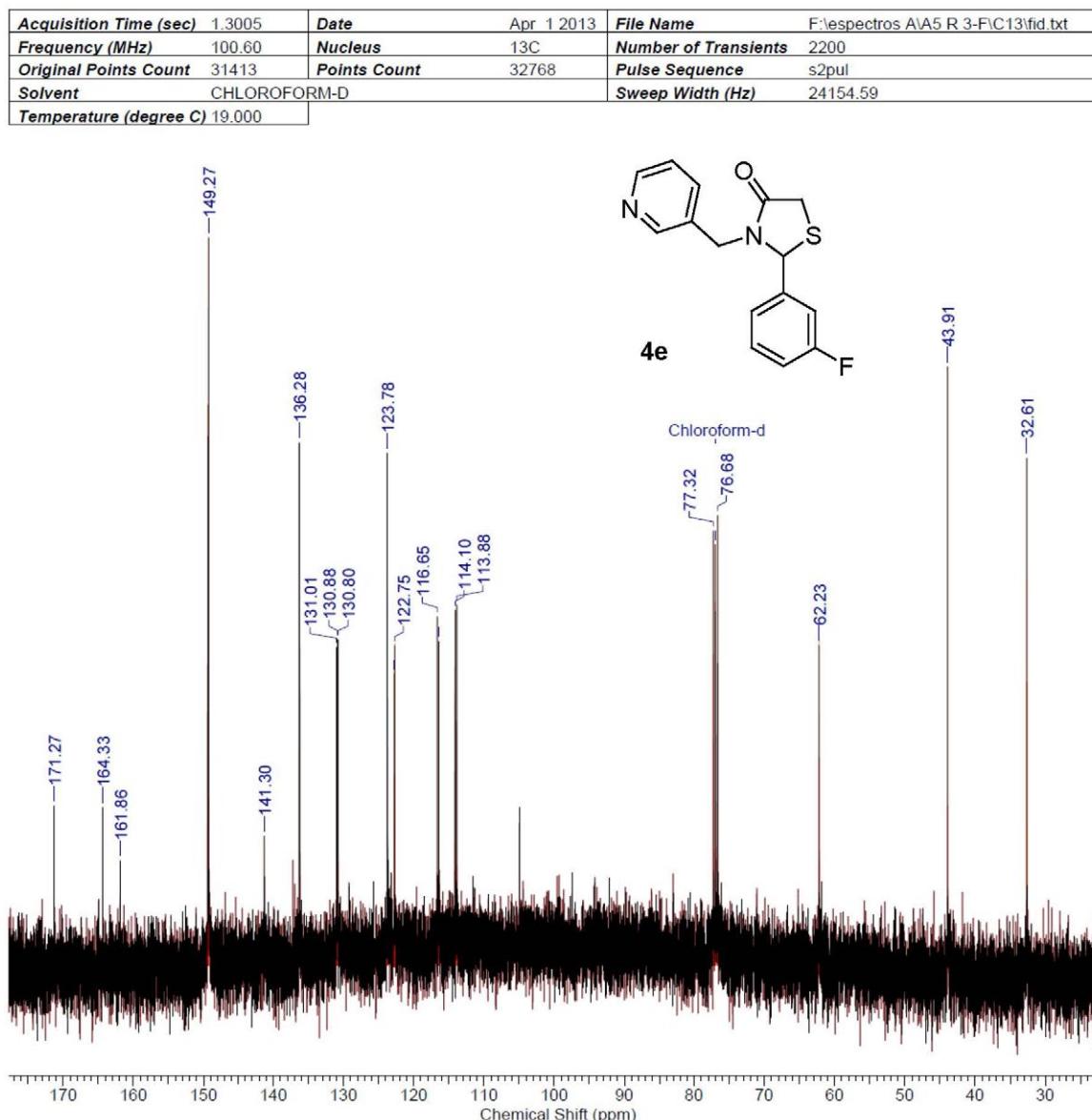


Figure S10. ¹³C NMR spectrum (100 MHz, CDCl₃) of compound 4e.

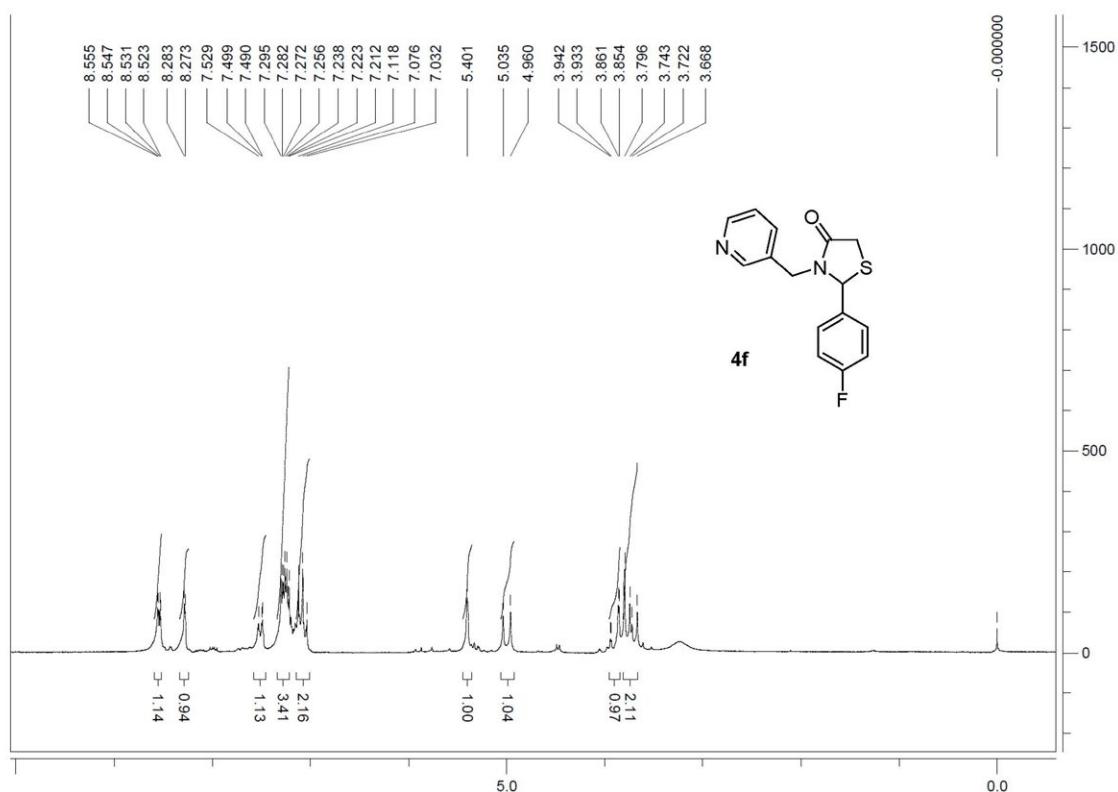


Figure S11. ¹H NMR spectrum (200 MHz, CDCl₃) of compound **4f**.

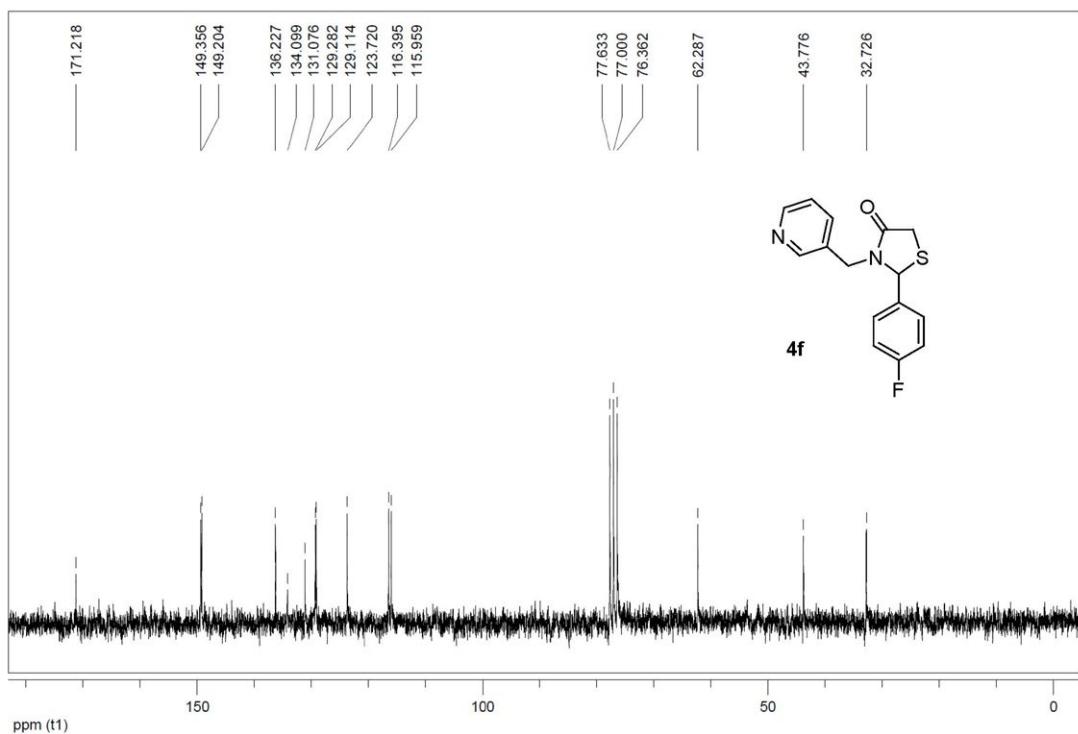


Figure S12. ¹³C NMR spectrum (50 MHz, CDCl₃) of compound **4f**.

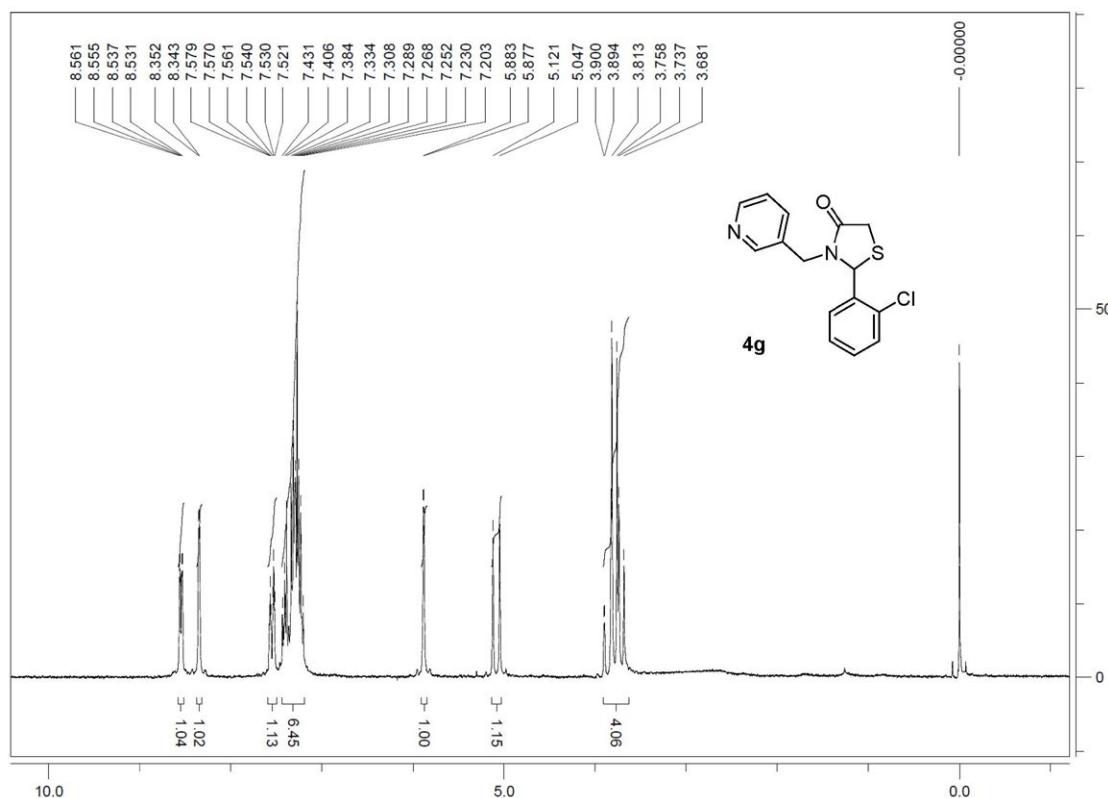


Figure S13. ¹H NMR spectrum (200 MHz, CDCl₃) of compound **4g**.

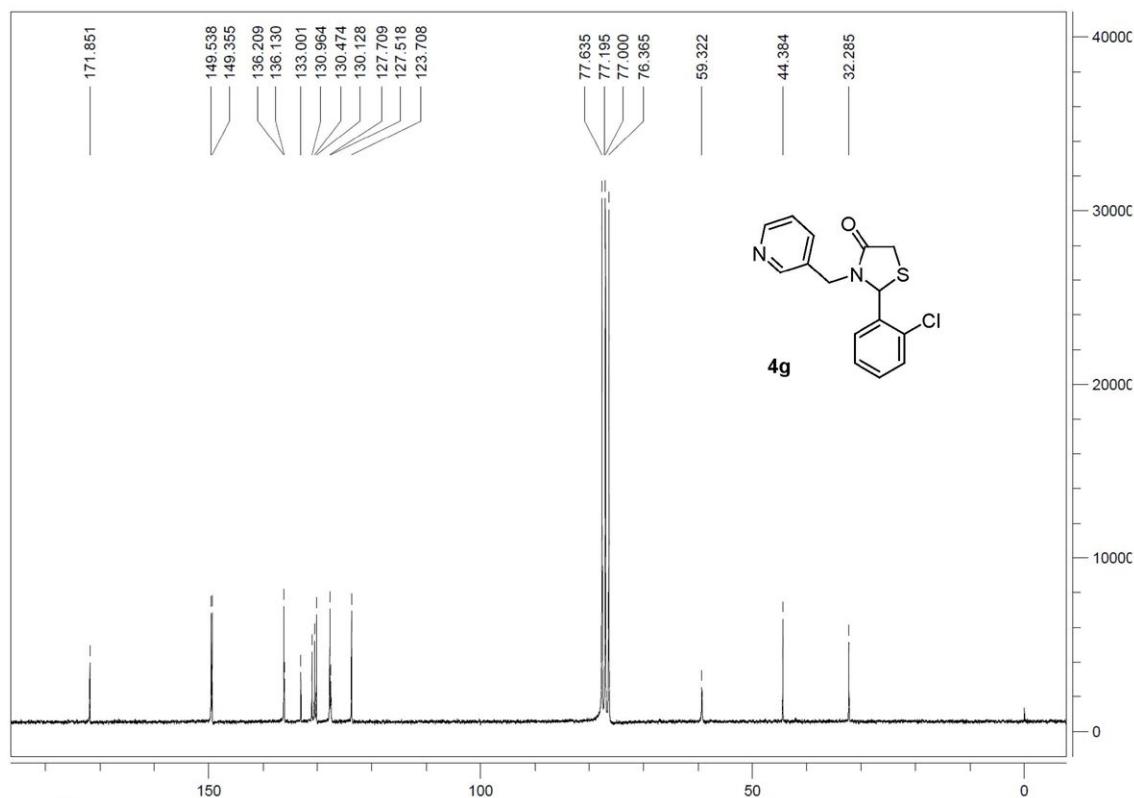


Figure S14. ¹³C NMR spectrum (50 MHz, CDCl₃) of compound **4g**.

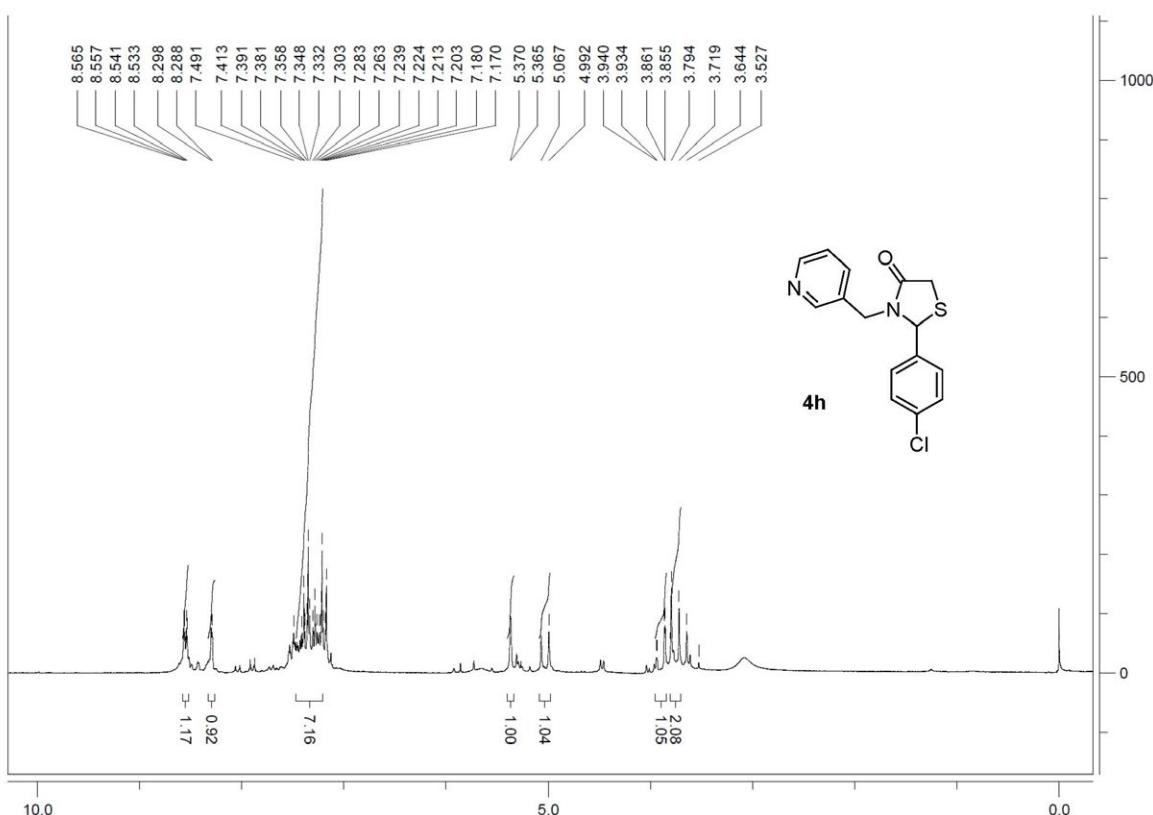


Figure S15. ^1H NMR spectrum (200 MHz, CDCl_3) of compound **4h**.

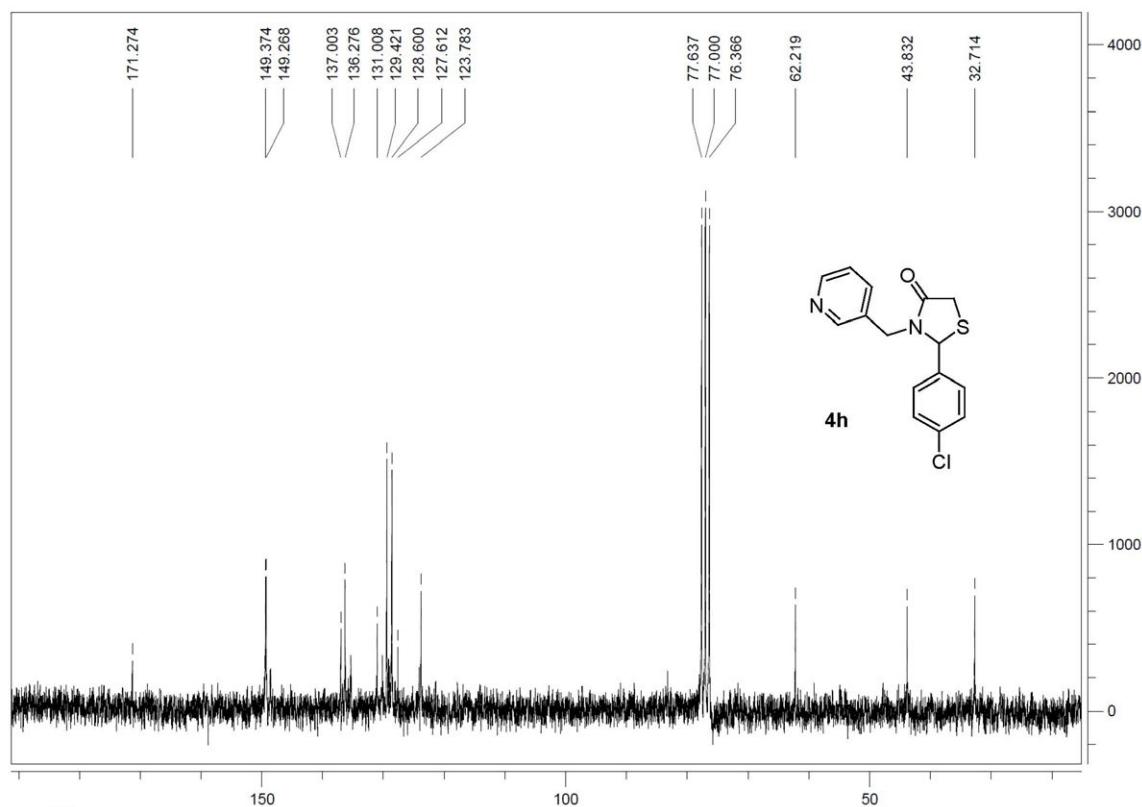


Figure S16. ^{13}C NMR spectrum (50 MHz, CDCl_3) of compound **4h**.

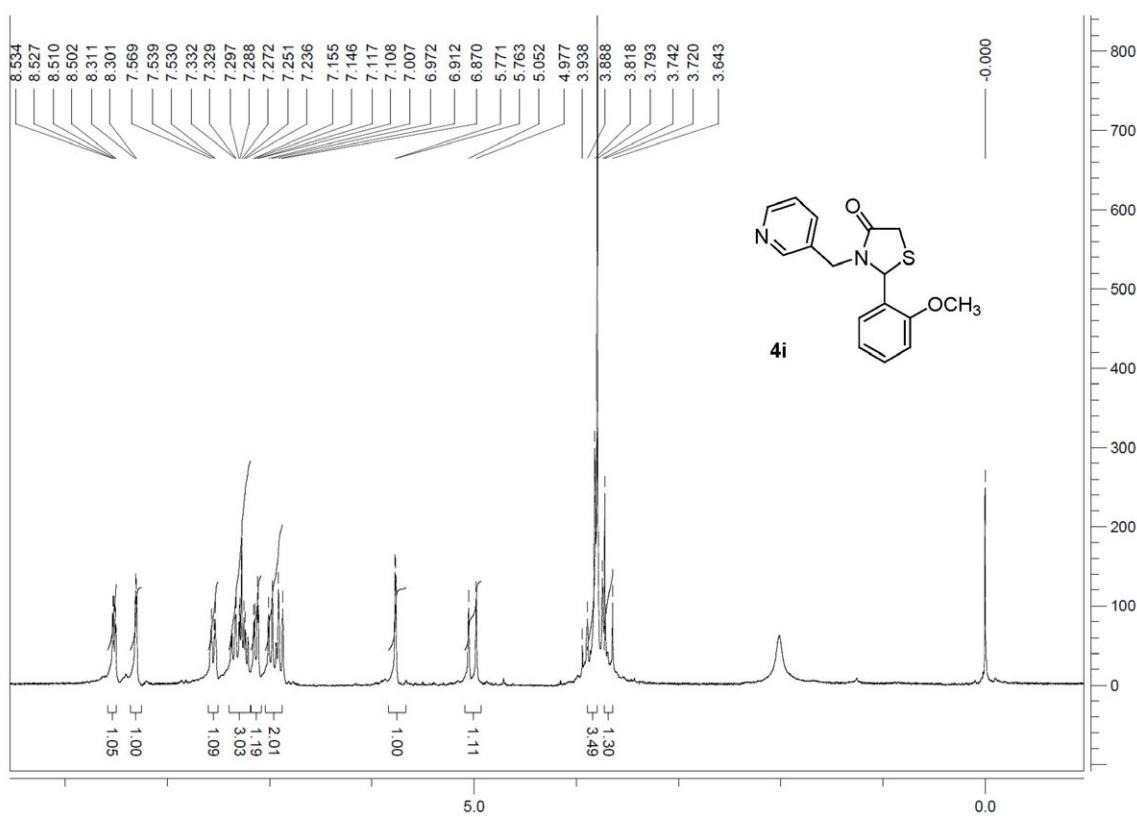


Figure S17. ^1H NMR spectrum (200 MHz, CDCl_3) of compound **4i**.

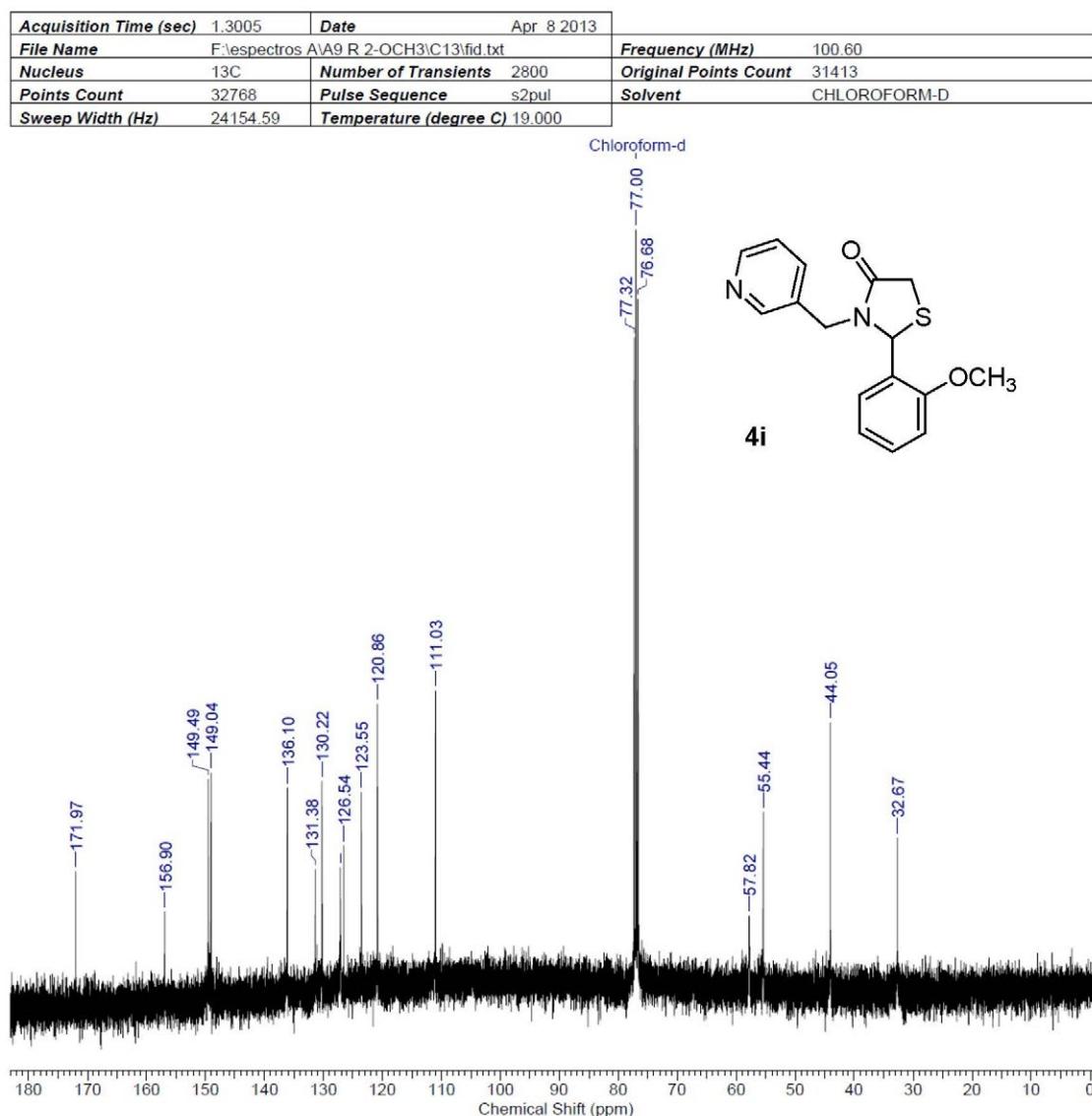
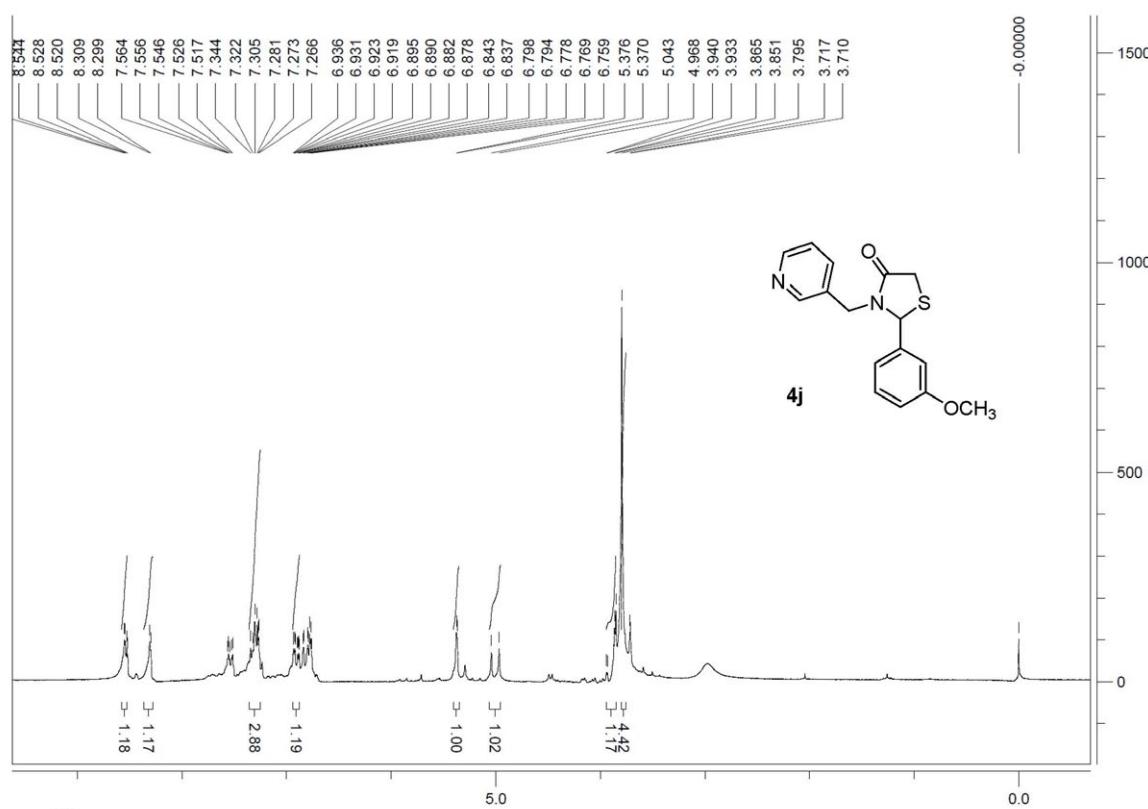
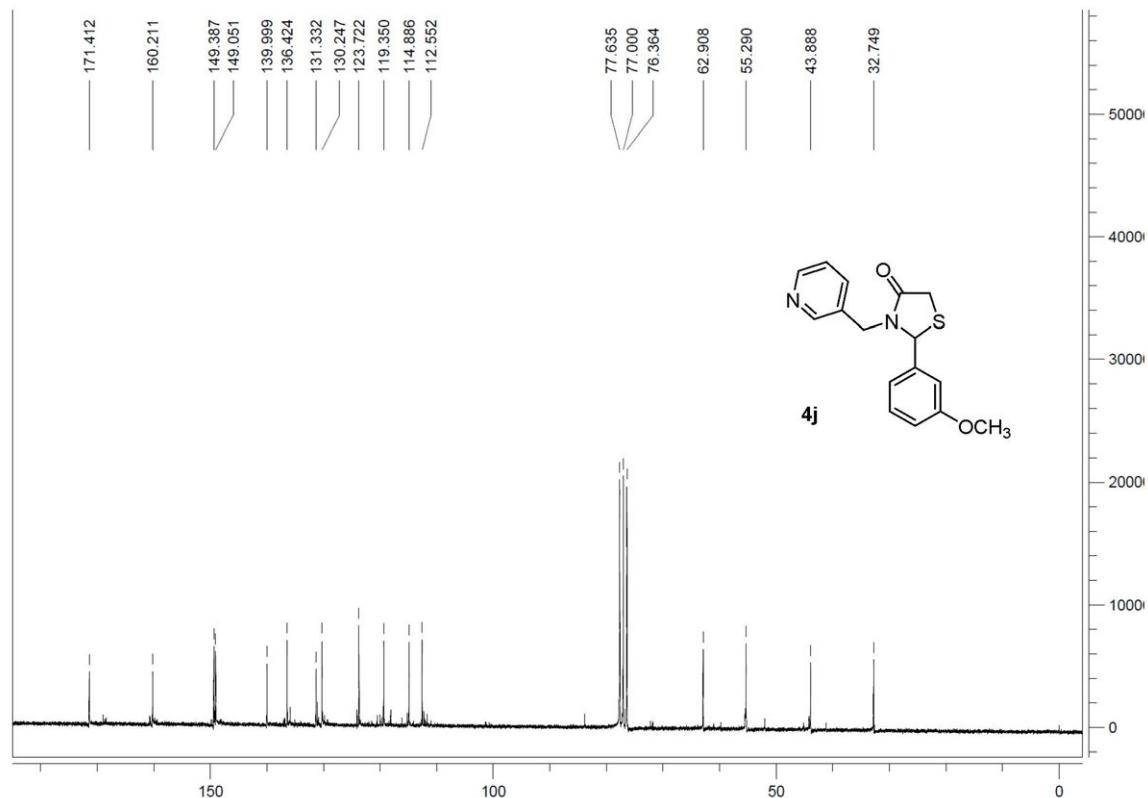


Figure S18. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound **4i**.

**Figure S19.** ¹H NMR spectrum (200 MHz, CDCl₃) of compound **4j**.**Figure S20.** ¹³C NMR spectrum (50 MHz, CDCl₃) of compound **4j**.

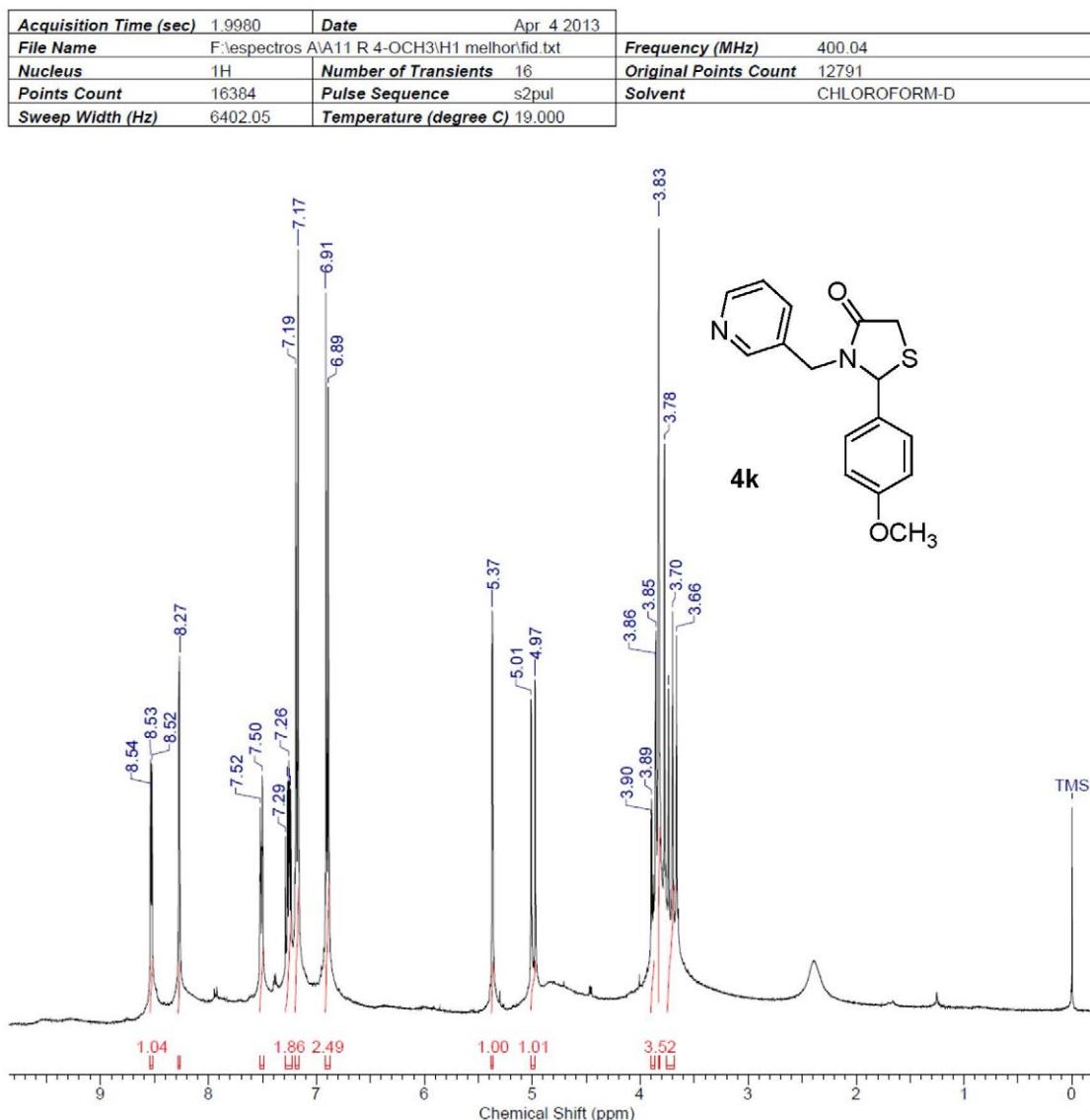


Figure S21. ¹H NMR spectrum (400 MHz, CDCl₃) of compound 4k.

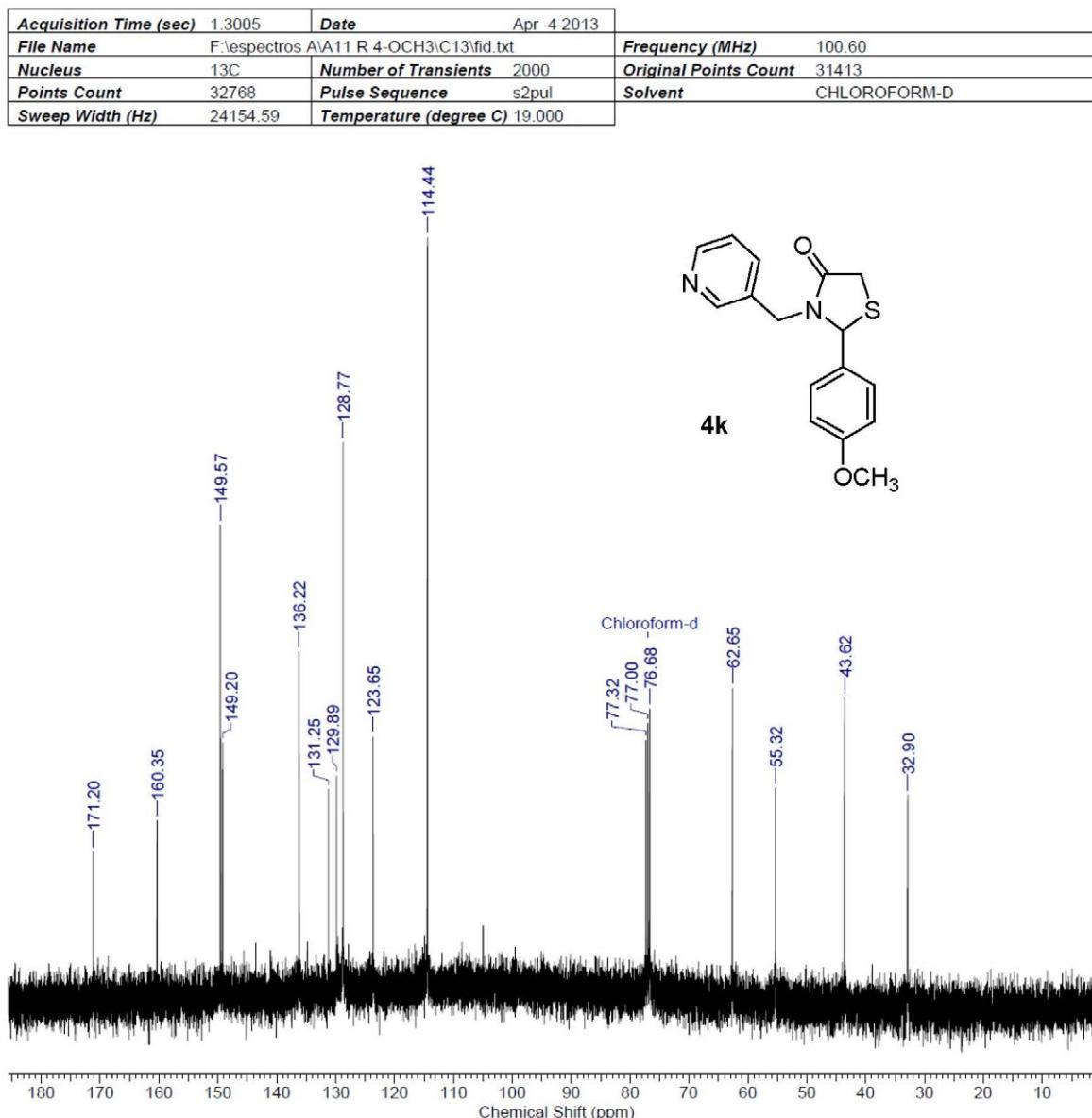


Figure S22. ¹³C NMR spectrum (100 MHz, CDCl₃) of compound **4k**.

Acquisition Time (sec)	1.9980	Date	Jun 21 2012	
File Name	E:\artigo\antioxidant\adriana\A17 2-OH FAZER\2\fid.txt	Frequency (MHz)	400.04	
Nucleus	1H	Number of Transients	8	Original Points Count
Points Count	16384	Pulse Sequence	s2pul	Solvent
Sweep Width (Hz)	6402.05	Temperature (degree C)	20.000	CHLOROFORM-D

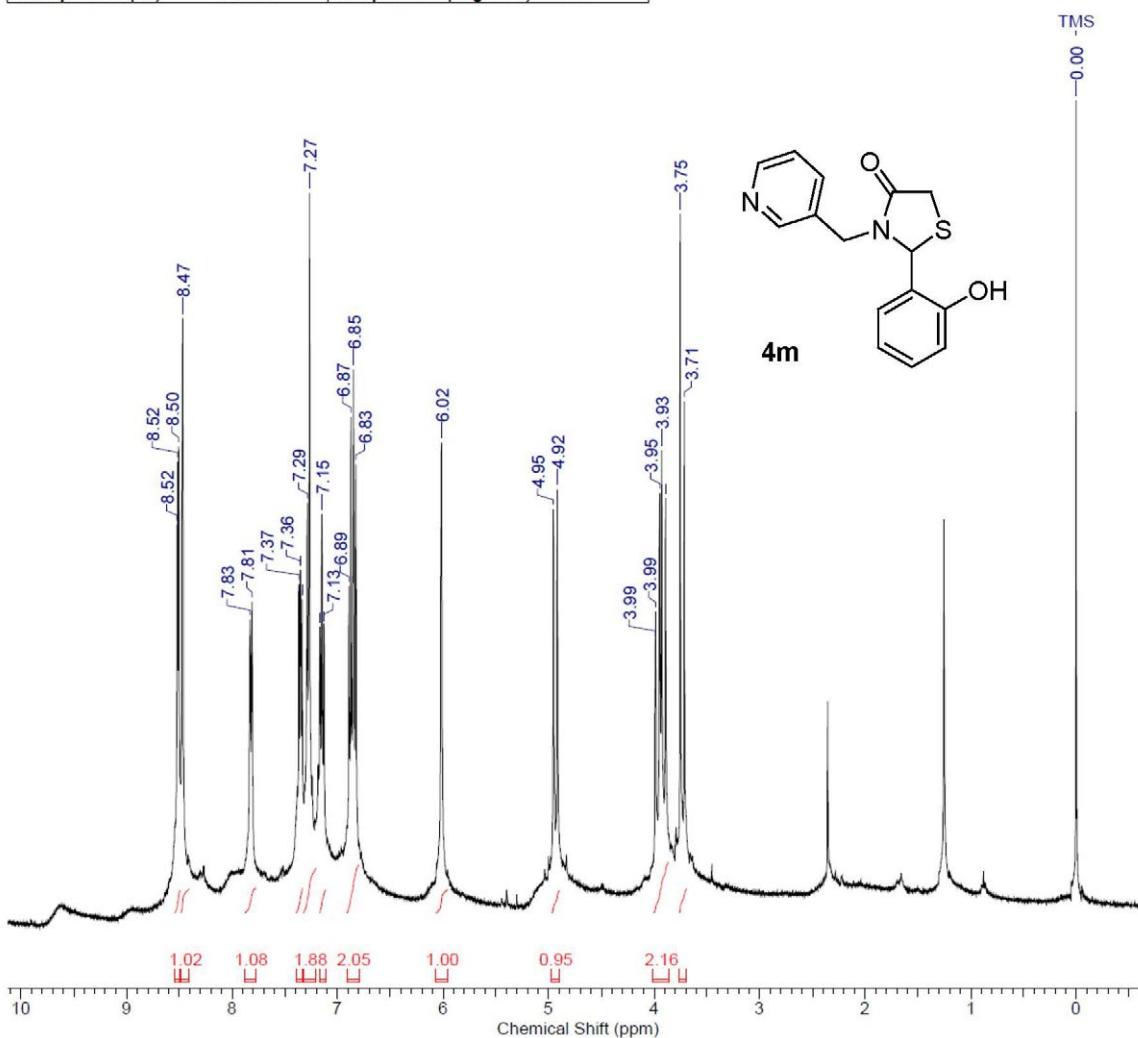


Figure S23. ^1H NMR spectrum (400 MHz, CDCl_3) of compound **4m**.

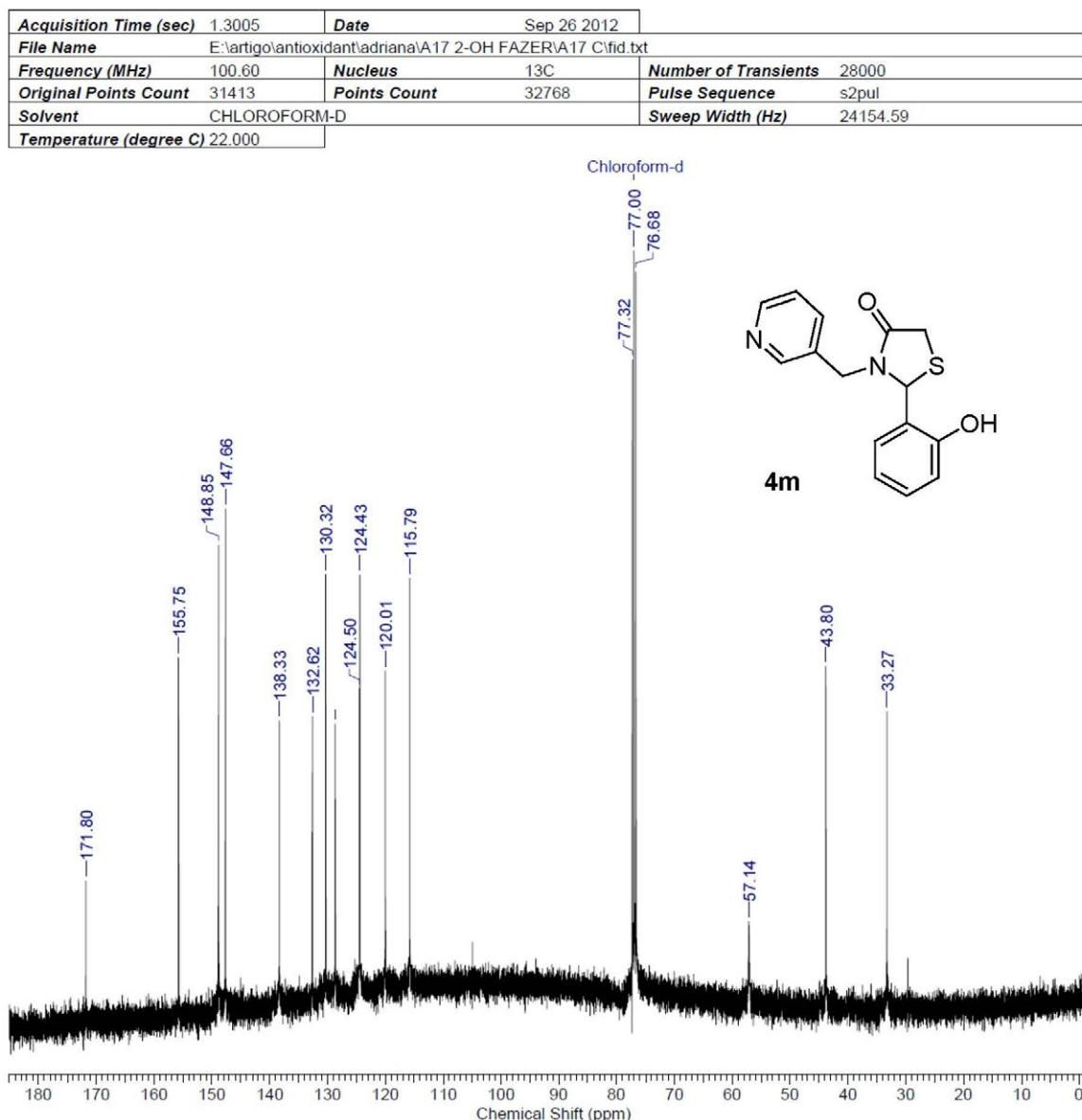


Figure S24. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound **4m**.

Acquisition Time (sec)	1.9980	Date	Apr 4 2013
File Name	E:\artigo\antioxidant\adriana\A15 R 3-OH FAZER\H1\fid.txt		
Frequency (MHz)	400.04	Nucleus	1H
Original Points Count	12791	Points Count	16384
Solvent	CHLOROFORM-D	Pulse Sequence	s2pul
Temperature (degree C)	19.000	Sweep Width (Hz)	6402.05

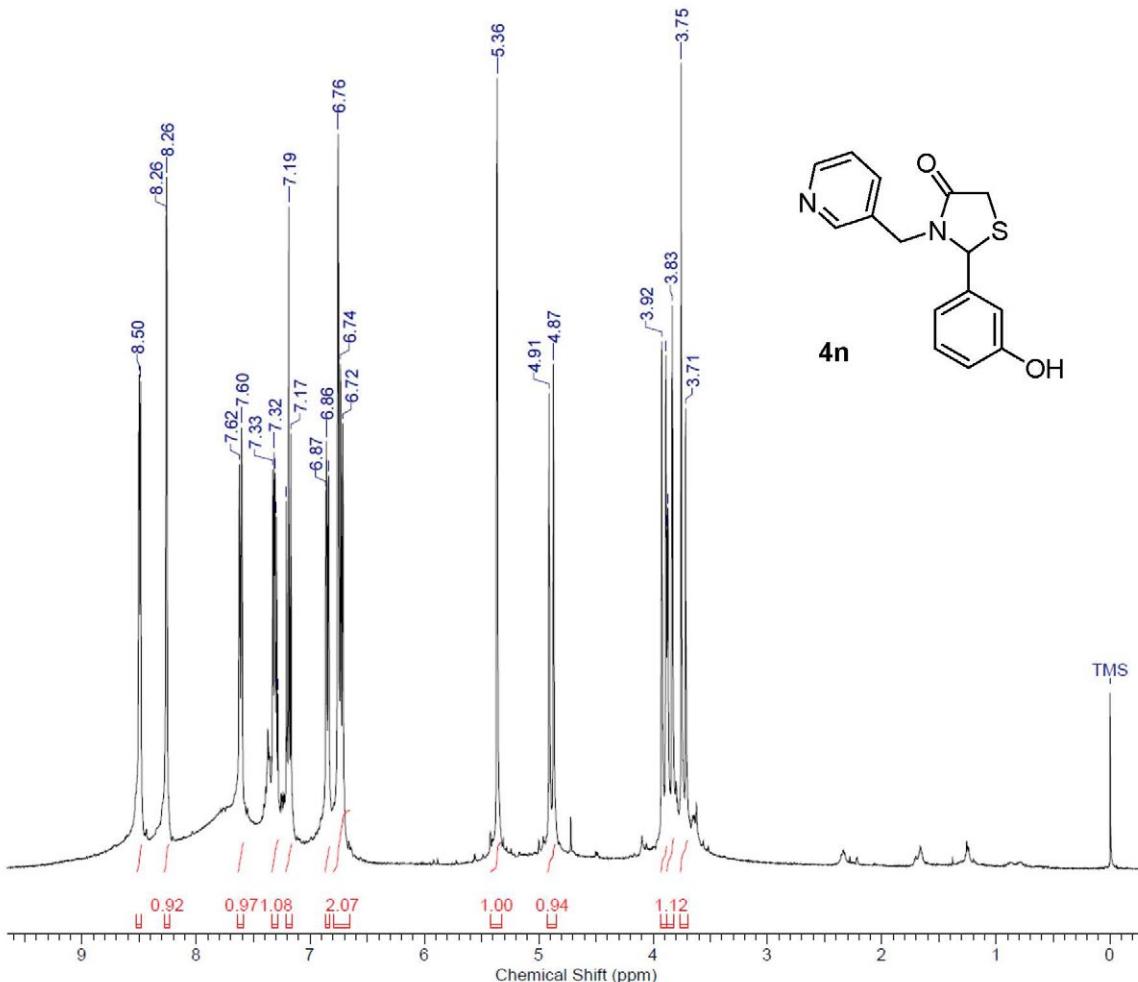


Figure S25. ^1H NMR spectrum (400 MHz, CDCl_3) of compound 4n.

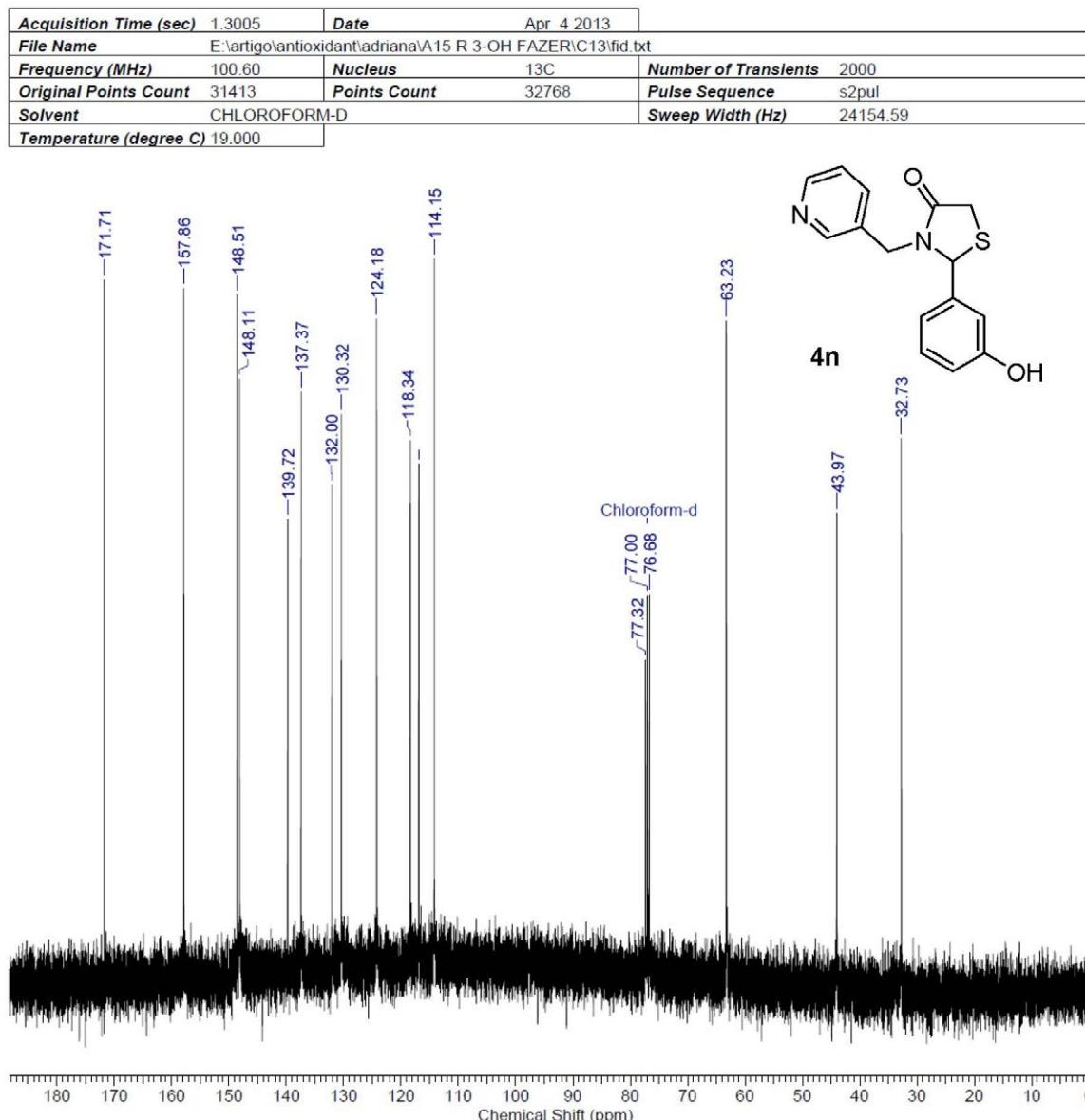


Figure S26. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound **4n**.

Acquisition Time (sec)	1.9980	Date	Apr. 4 2013
File Name	G:\artigo\antioxidant\adriana\A16 4-OH\H1	Frequency (MHz)	400.04
Nucleus	1H	Number of Transients	16
Points Count	16384	Pulse Sequence	s2pul
Sweep Width (Hz)	6402.05	Temperature (degree C)	19.000
		Solvent	CHLOROFORM-D

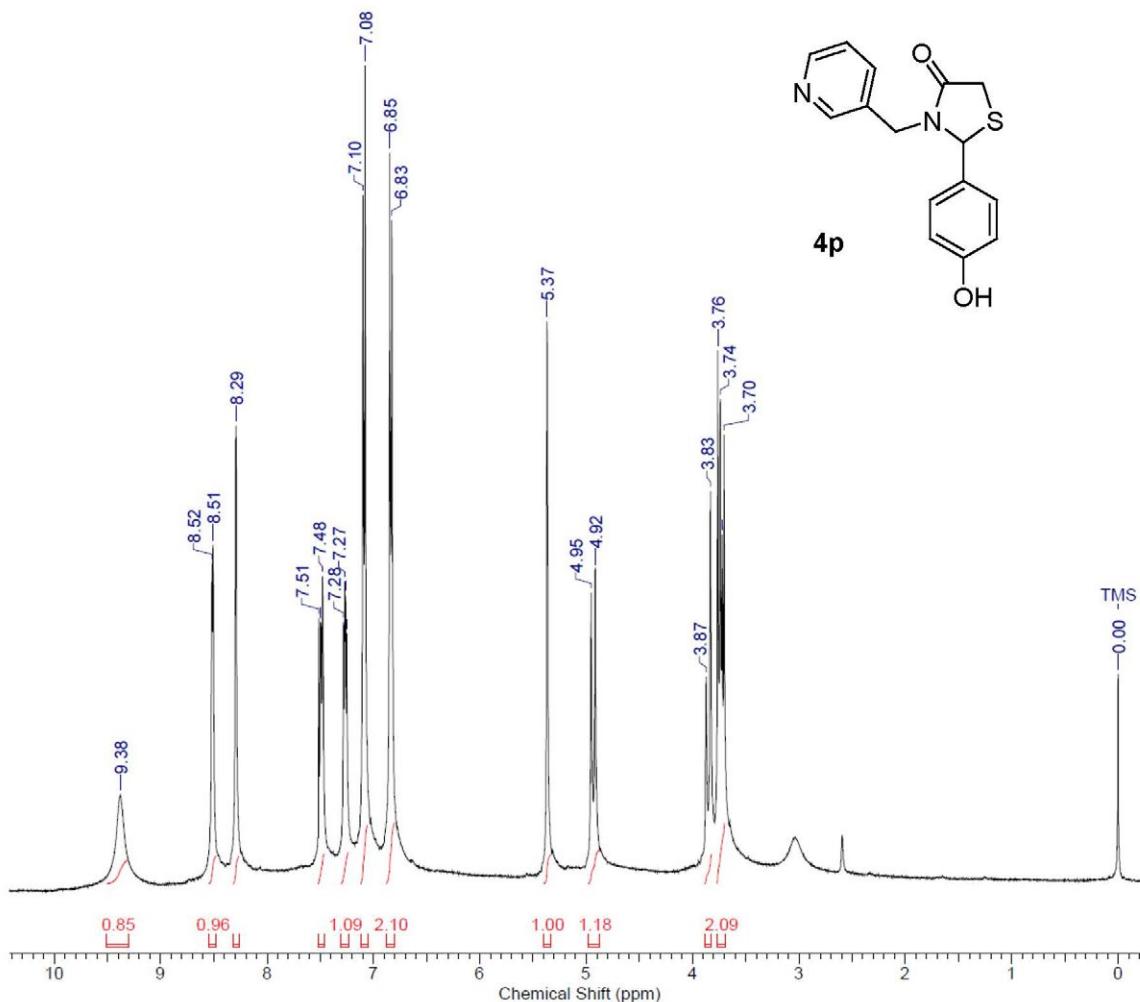


Figure S27. ¹H NMR spectrum (400 MHz, CDCl₃) of compound **4o**.

Acquisition Time (sec)	1.9980	Date	Apr. 4 2013
File Name	G:\artigo\antioxidant\adriana\A16 4-OH\H1	Frequency (MHz)	400.04
Nucleus	¹ H	Number of Transients	16
Points Count	16384	Pulse Sequence	s2pul
Sweep Width (Hz)	6402.05	Temperature (degree C)	19.000

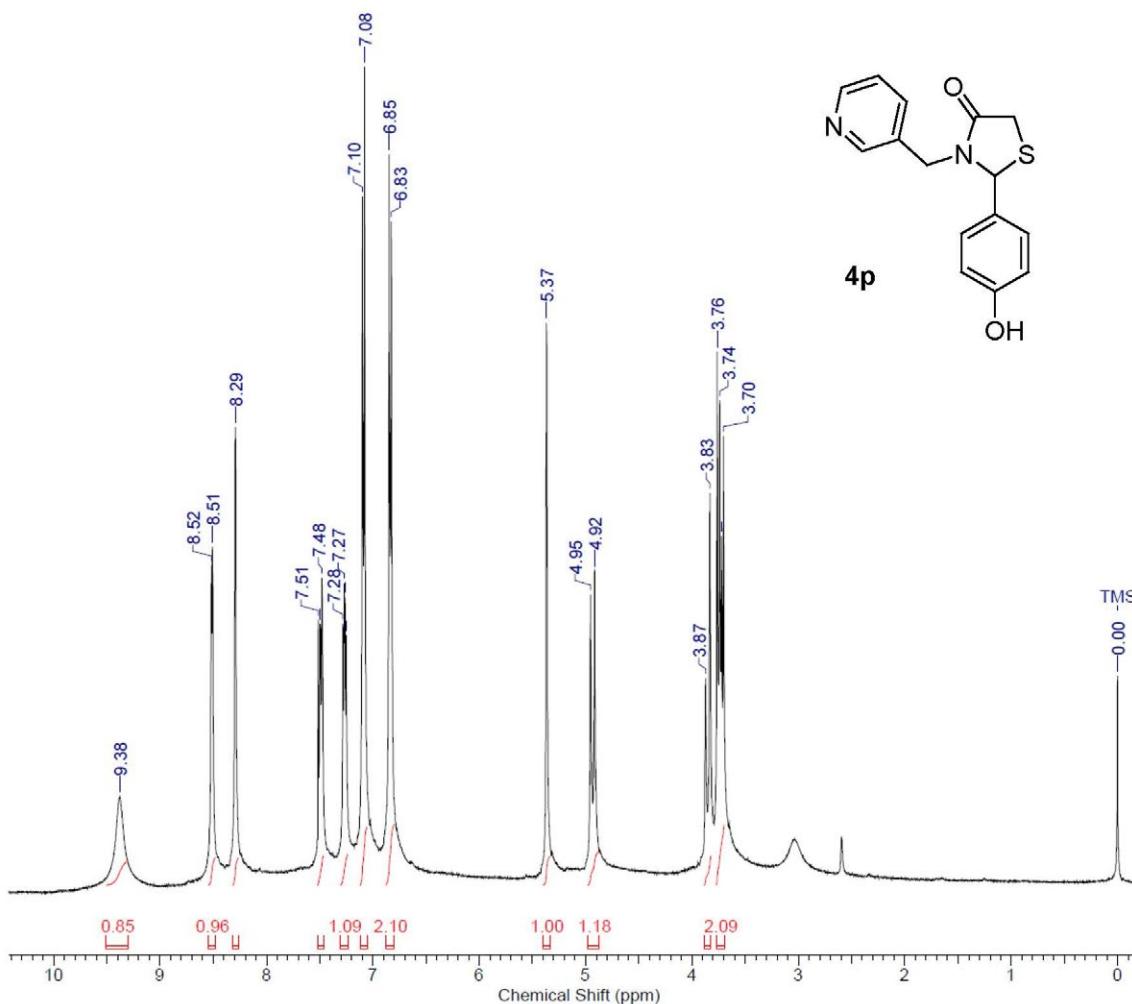


Figure S28. ^{13}C NMR spectrum (100 MHz, CDCl_3) of compound **4o**.

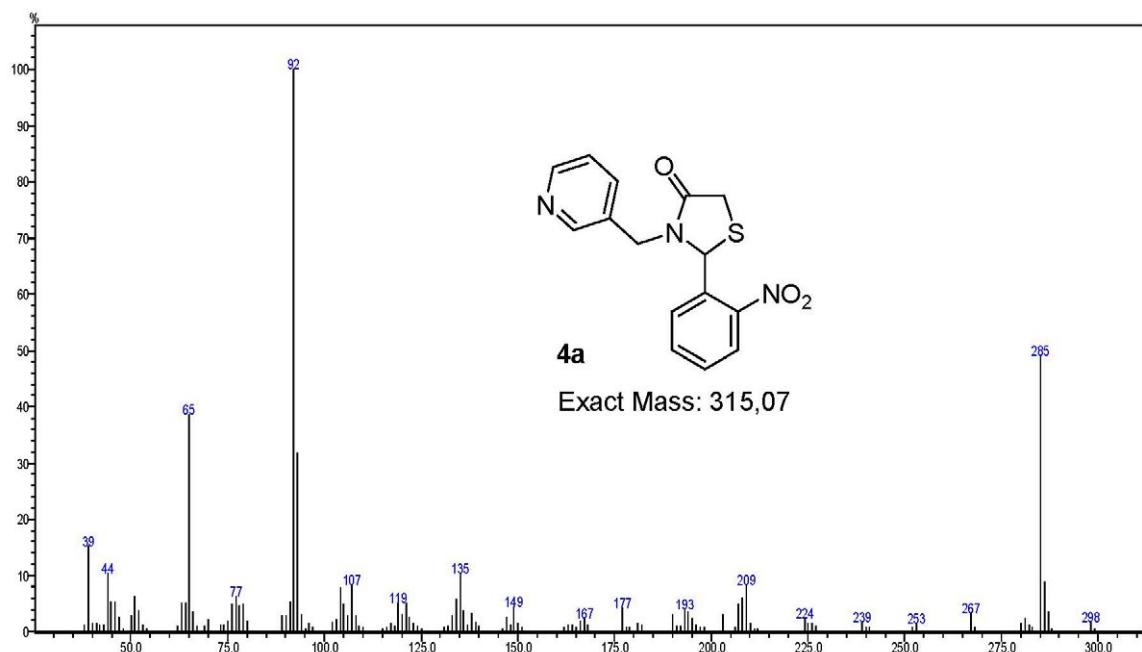


Figure S29. Mass spectrum of compound **4a**.

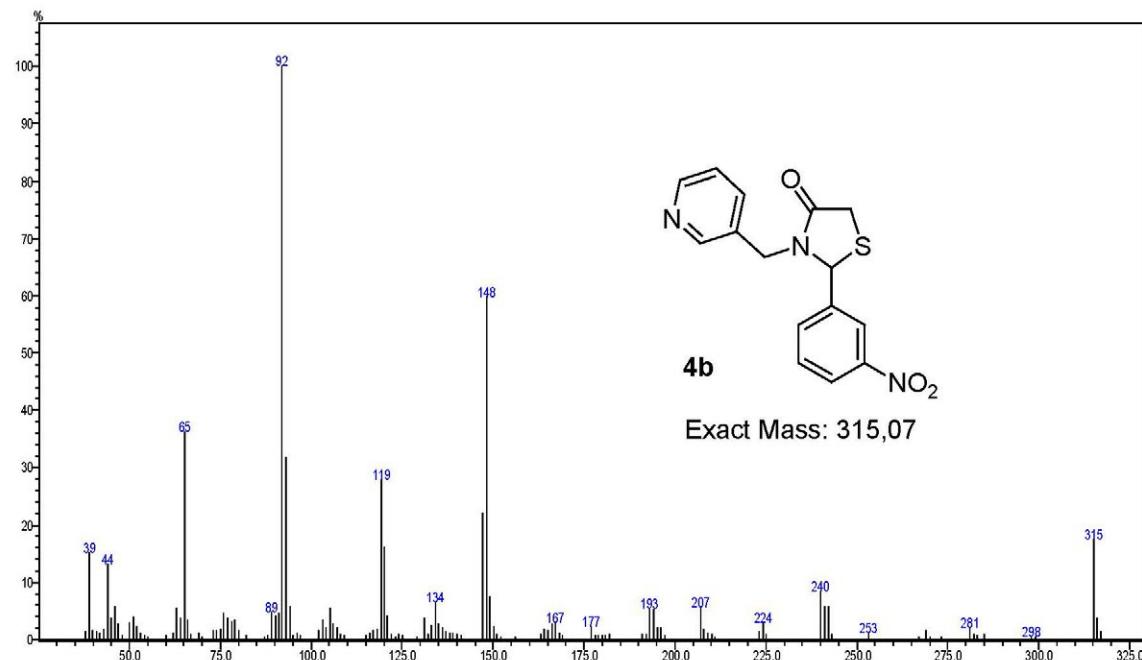


Figure S30. Mass spectrum of compound **4b**.

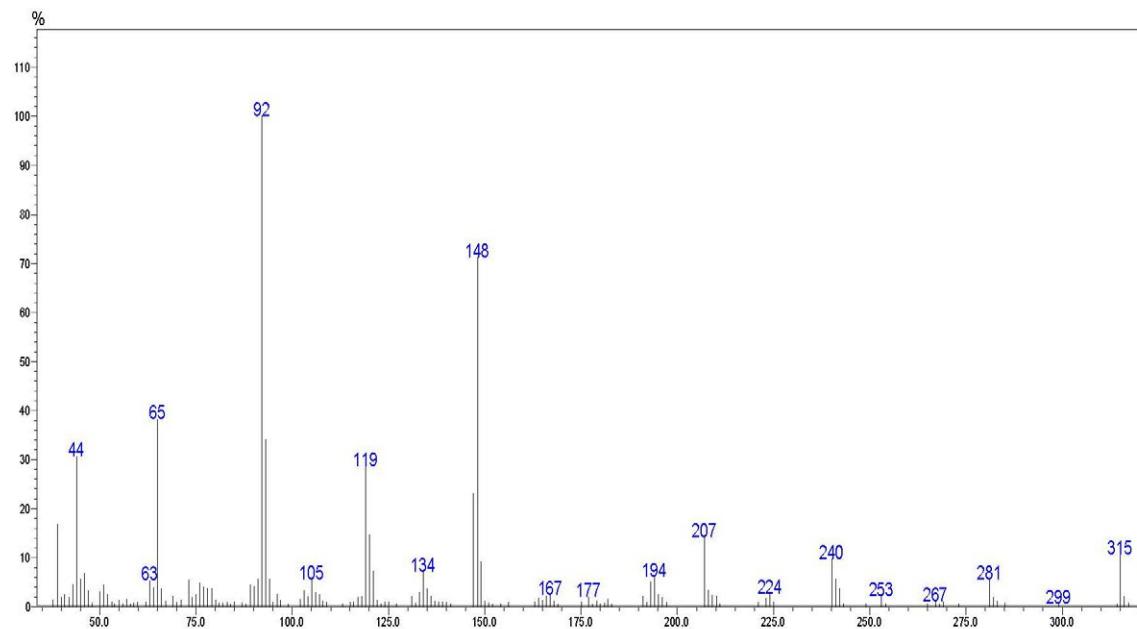


Figure S31. Mass spectrum of compound **4c**.

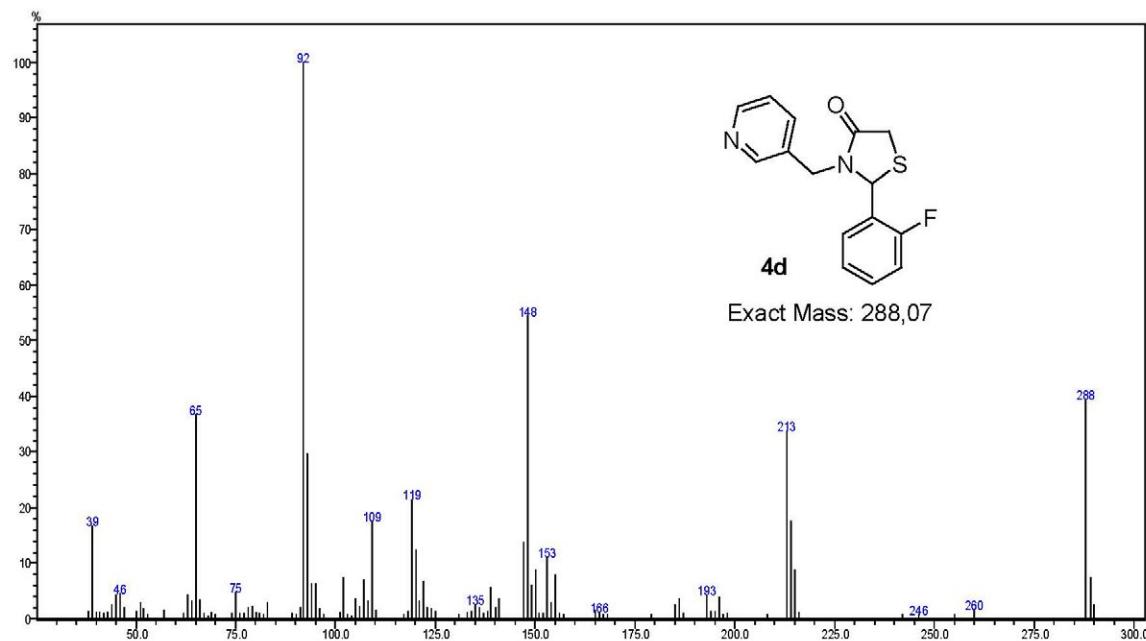


Figure S32. Mass spectrum of compound **4d**.

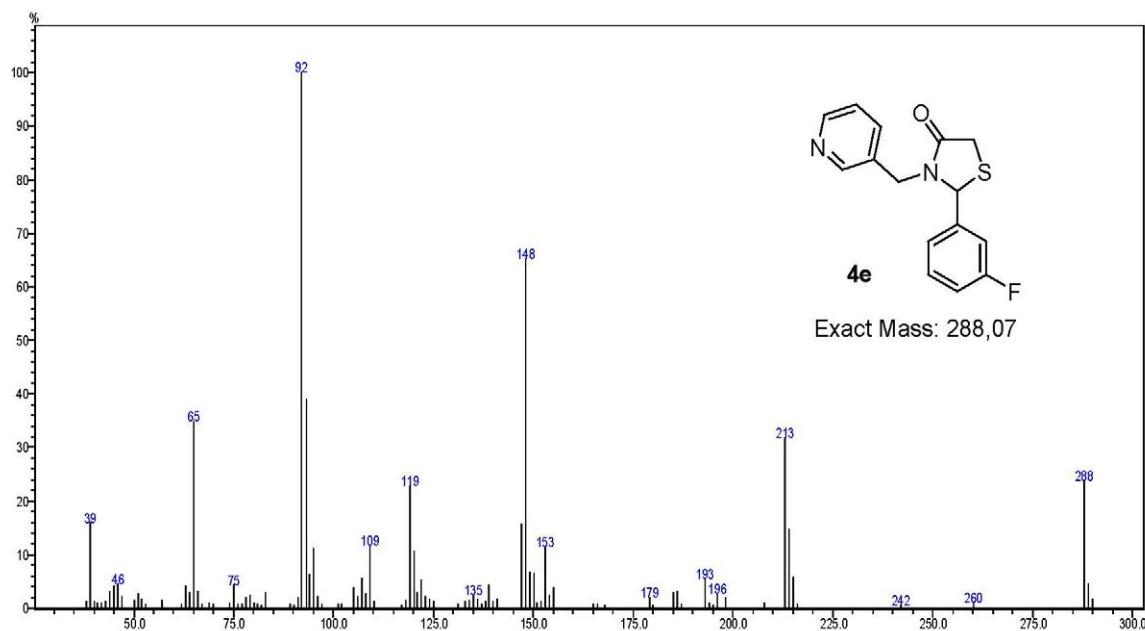


Figure S33. Mass spectrum of compound **4e**.

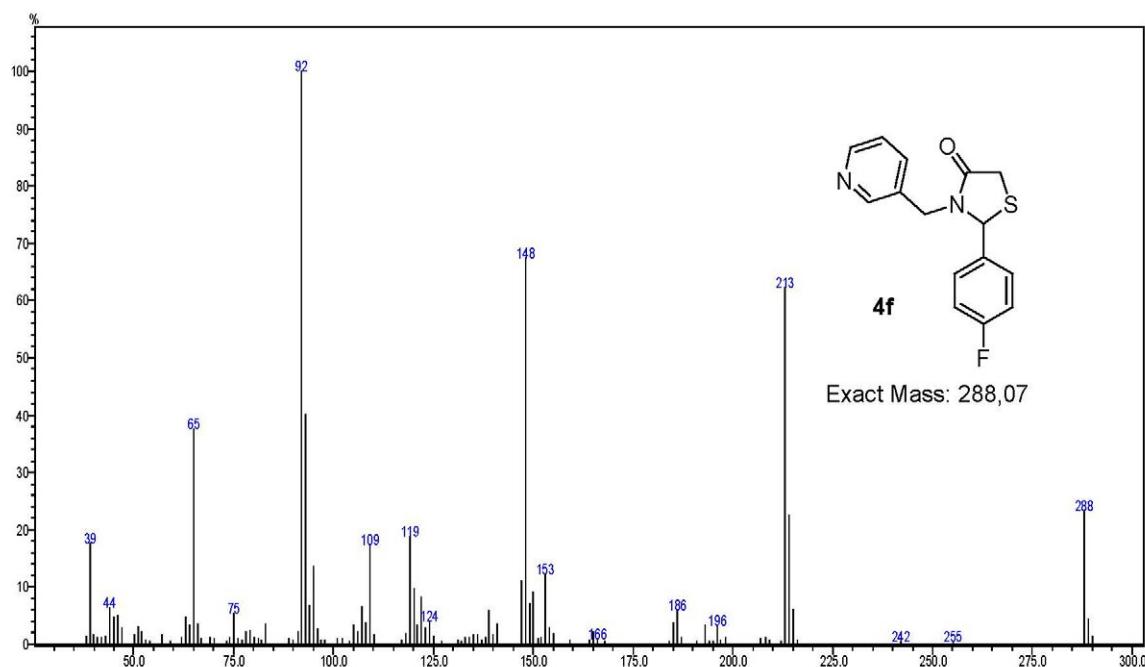


Figure S34. Mass spectrum of compound **4f**.

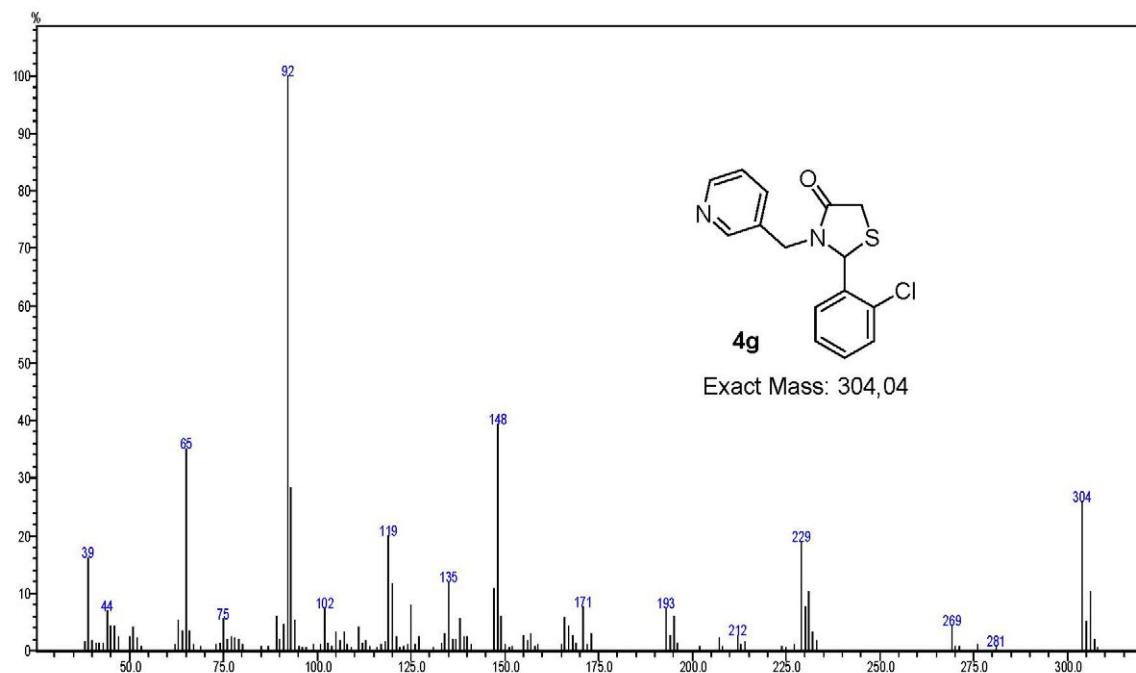


Figure S35. Mass spectrum of compound **4g**.

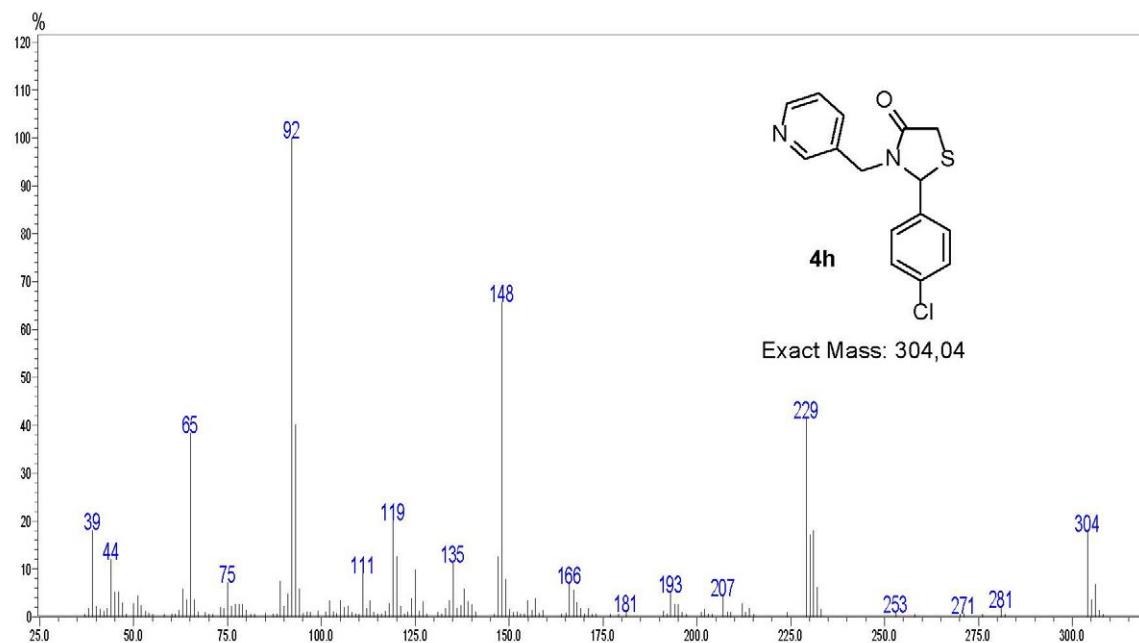


Figure S36. Mass spectrum of compound **4h**.

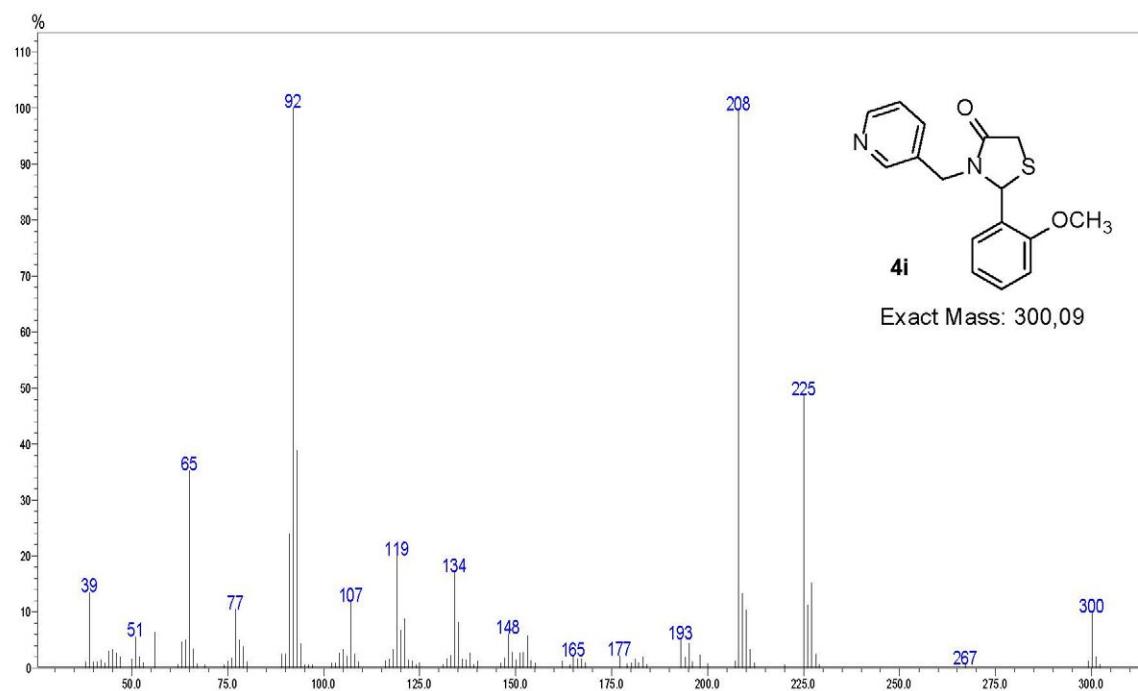


Figure S37. Mass spectrum of compound **4i**.

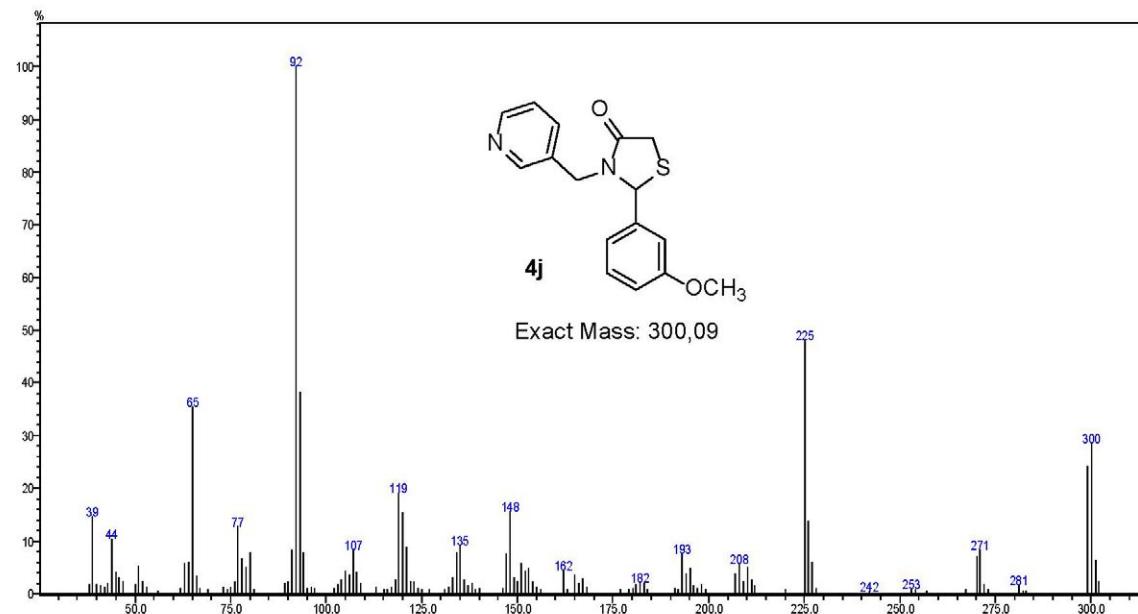


Figure S38. Mass spectrum of compound **4j**.

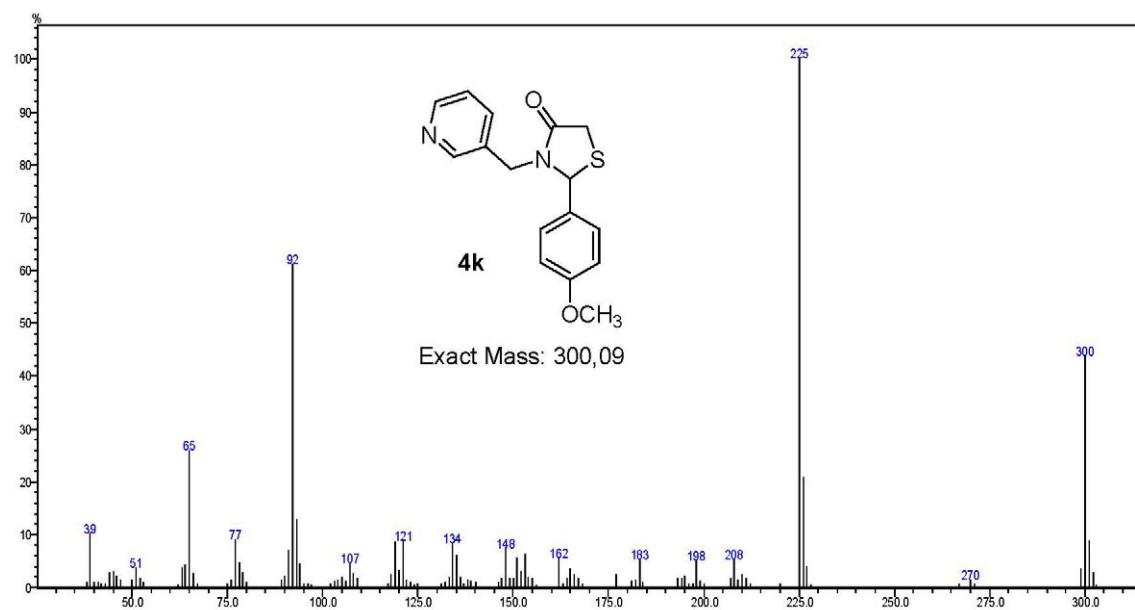


Figure S39. Mass spectrum of compound **4k**.

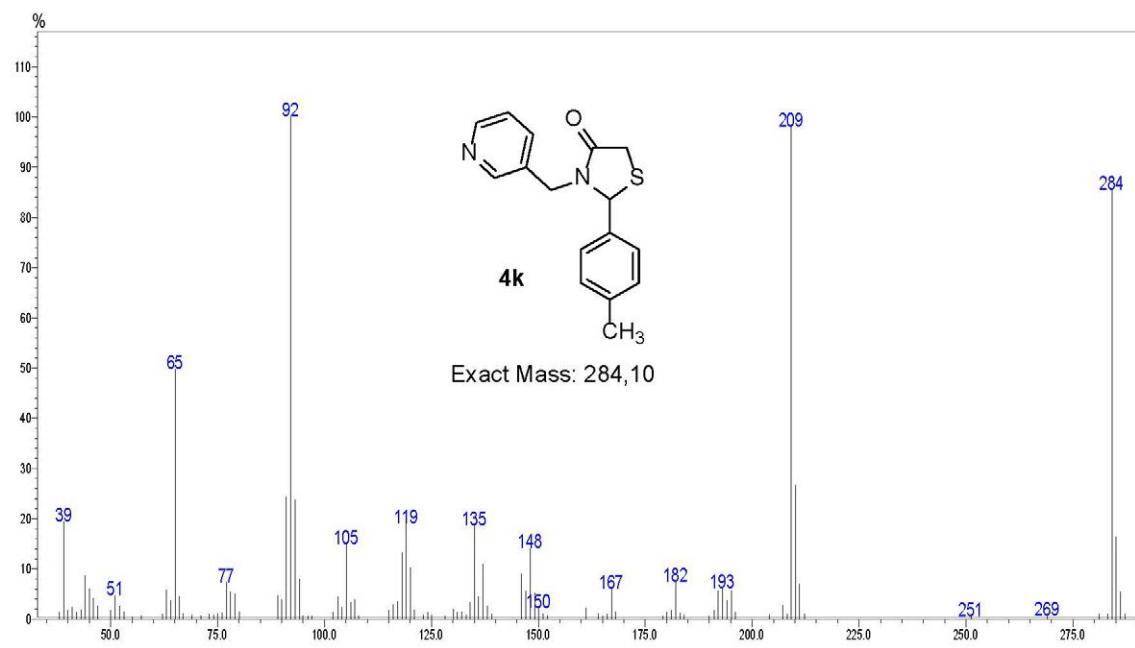


Figure S40. Mass spectrum of compound **4l**.

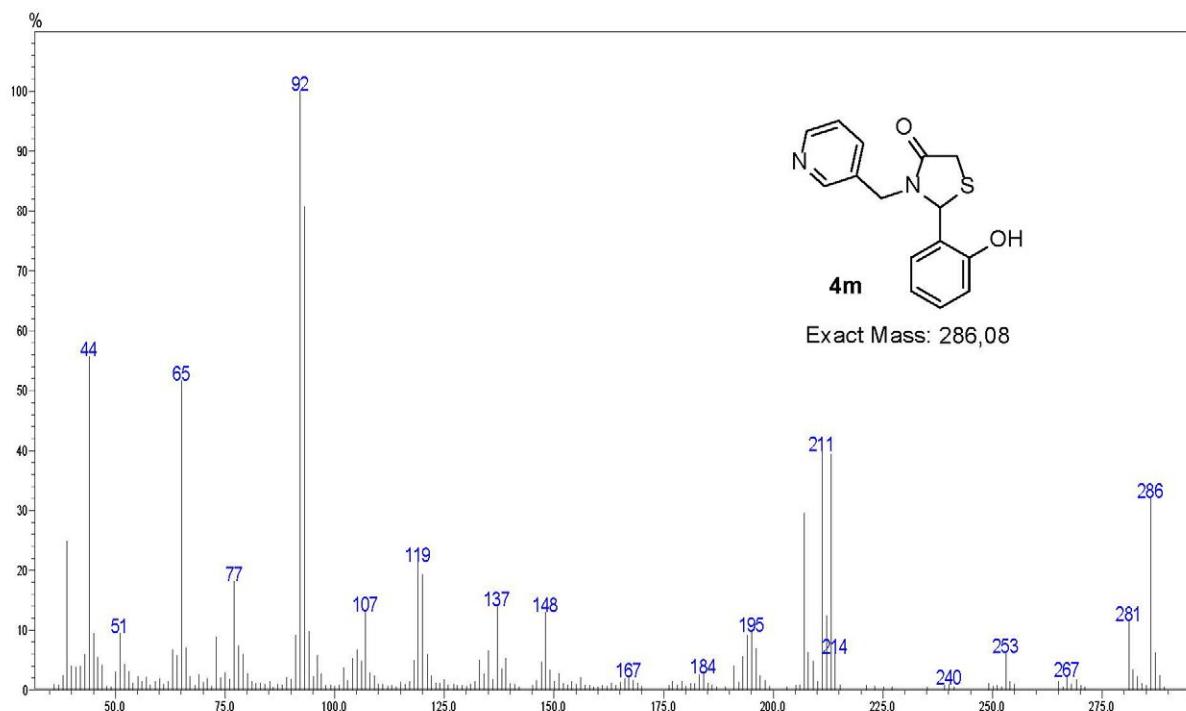


Figure S41. Mass spectrum of compound **4m**.

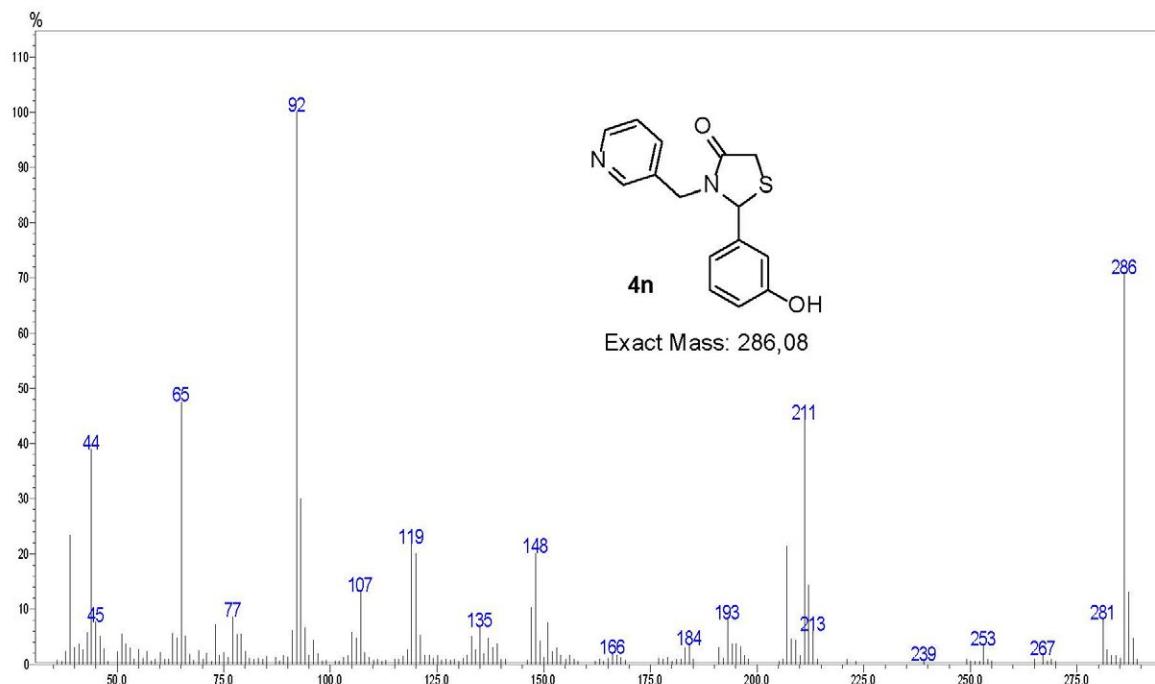
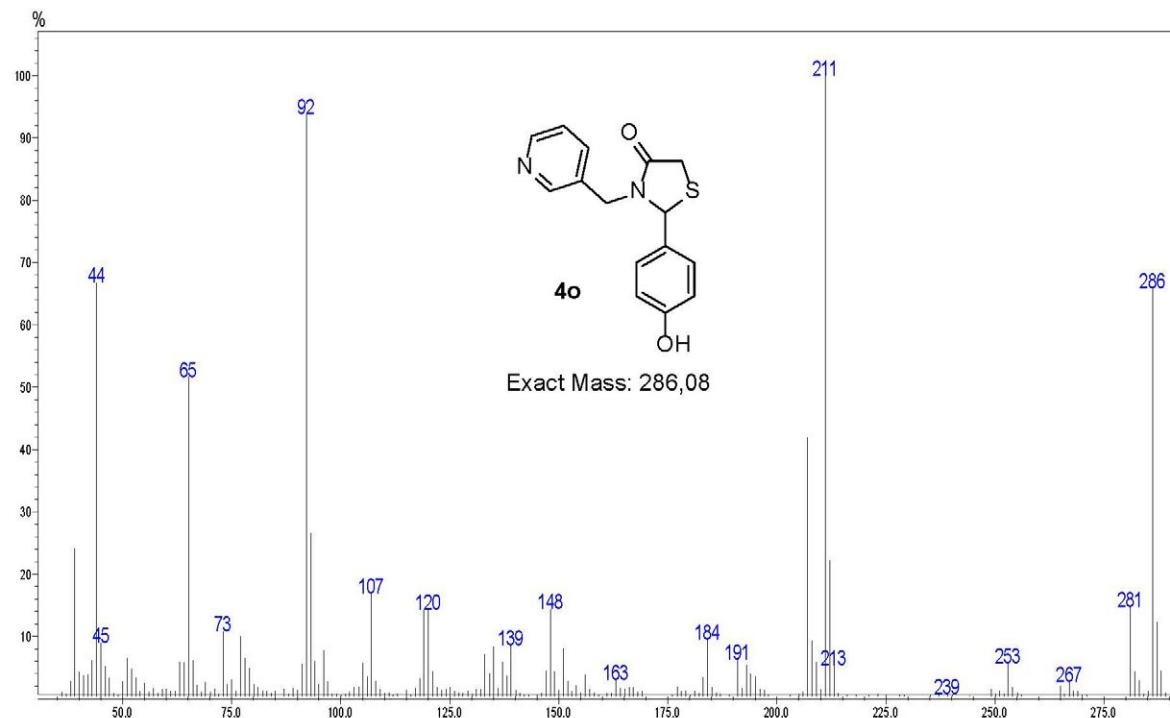
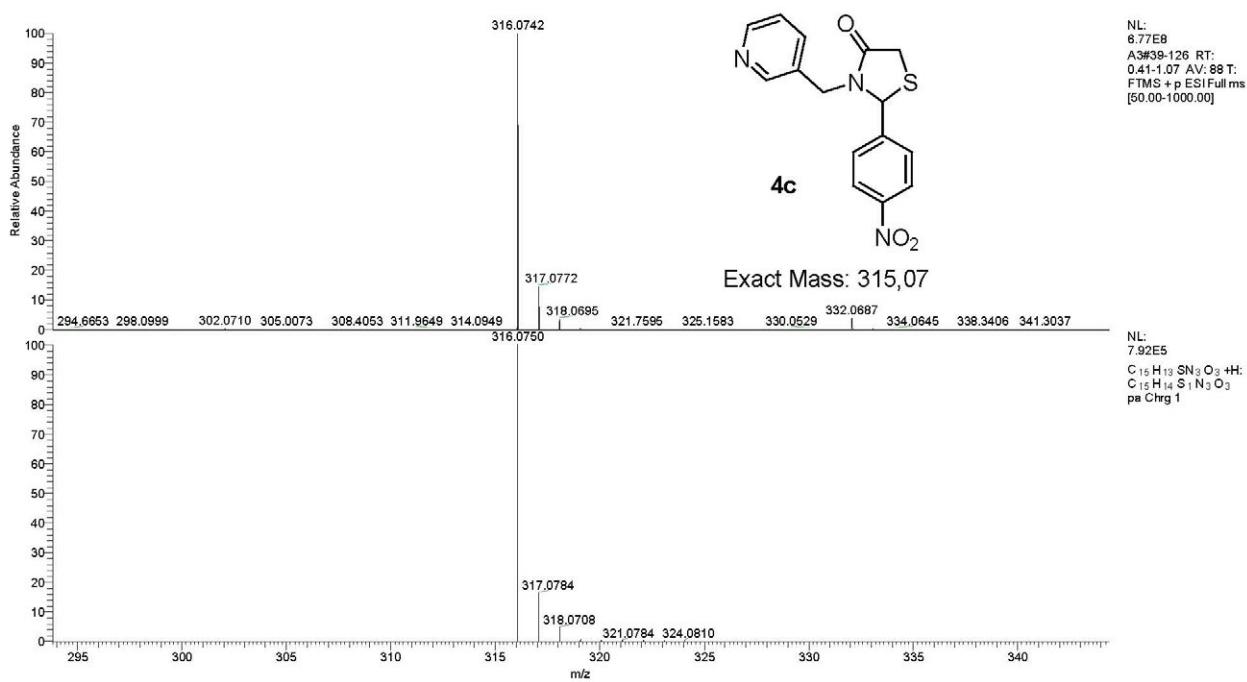


Figure S42. Mass spectrum of compound **4n**.

**Figure S43.** Mass spectrum of compound **4o**.

High Resolution Mass Spectra (ESI)

**Figure S44.** HRMS of compound **4c** (found and calculated).

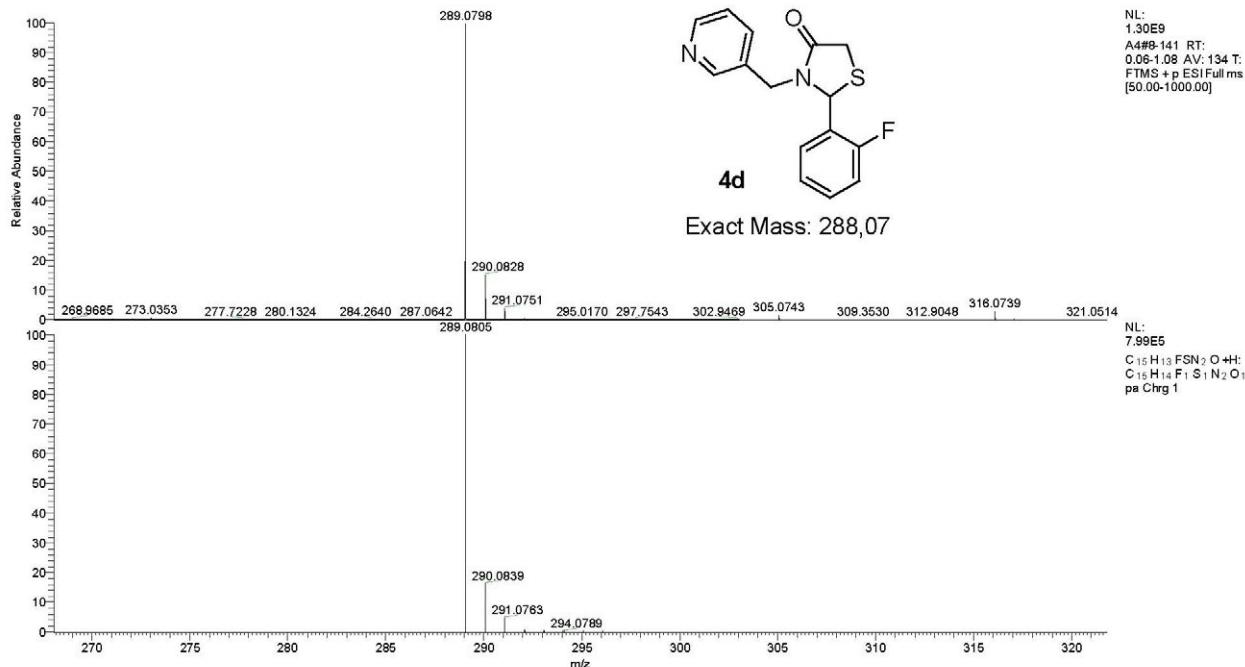


Figure S45. HRMS of compound **4d** (found and calculated).

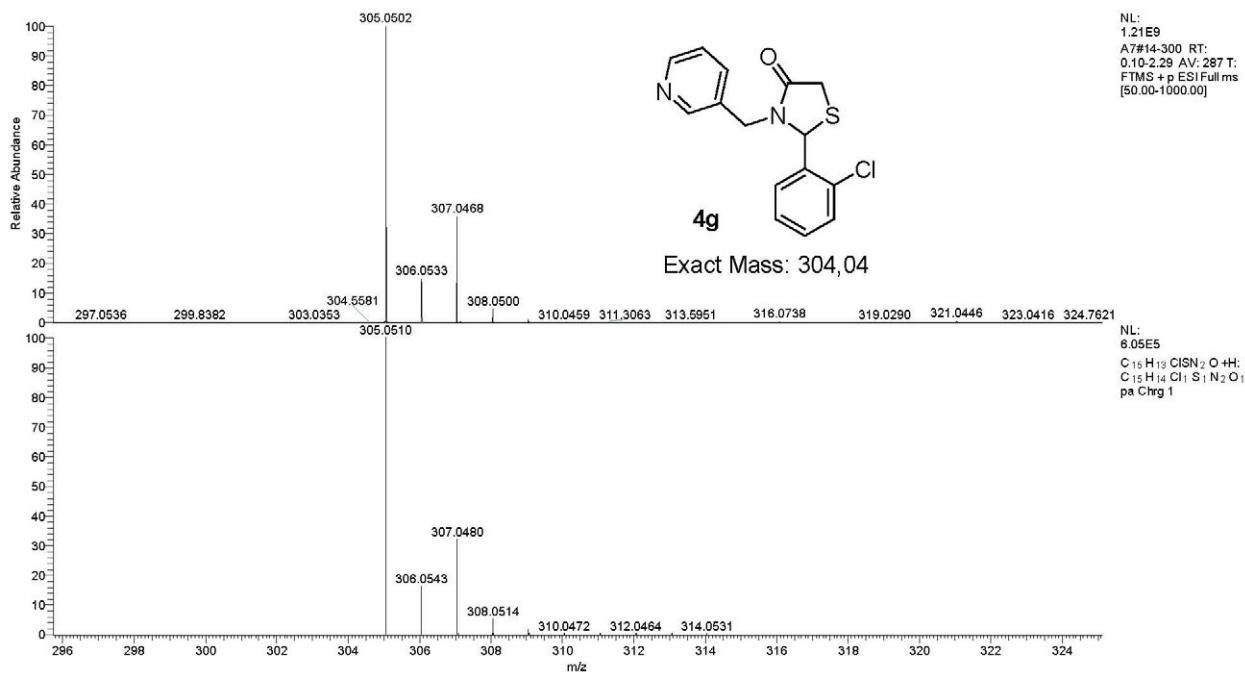
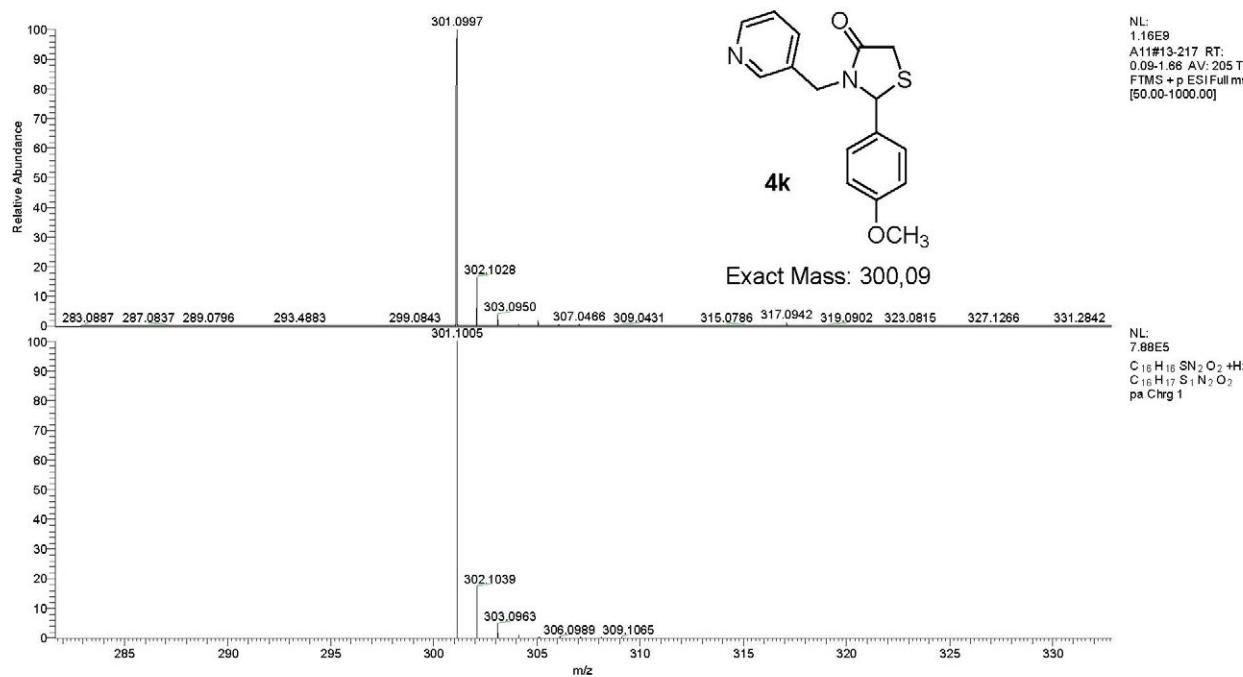
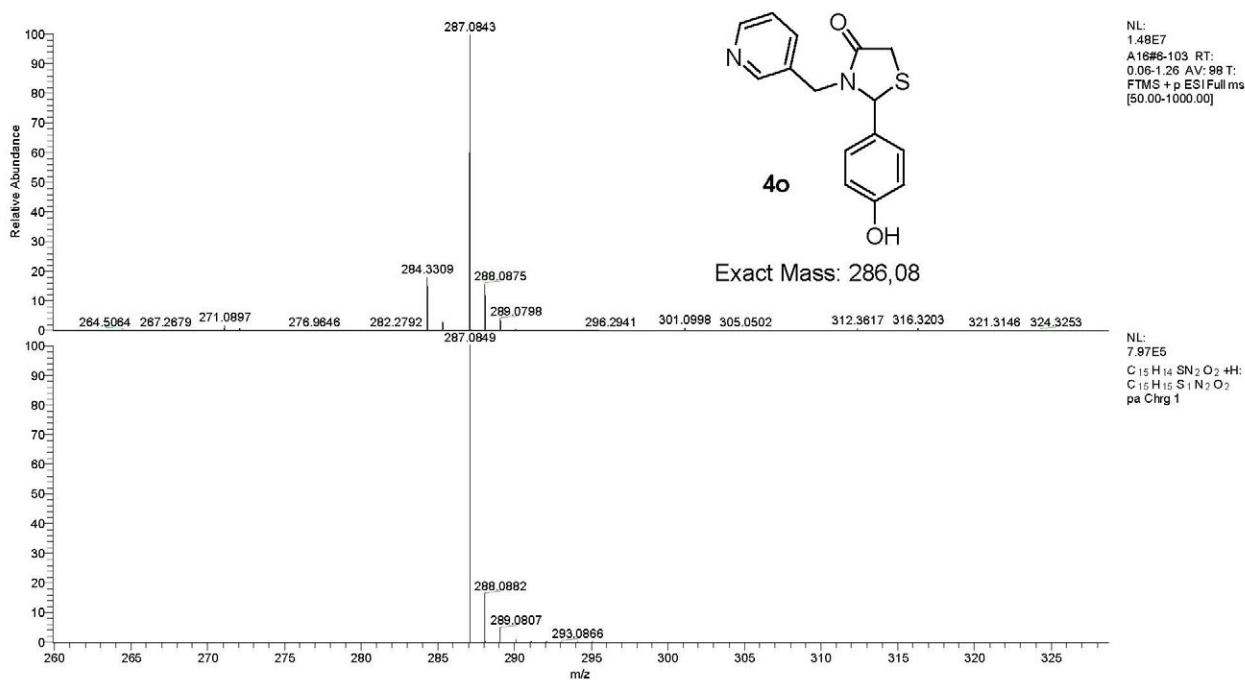


Figure S46. HRMS of compound **4g** (found and calculated).

**Figure S47.** HRMS of compound **4k** (found and calculated).**Figure S48.** HRMS of compound **4o** (found and calculated).