

## Supplementary materials

### A short synthesis of 7-amino alkoxy homoisoflavonoides

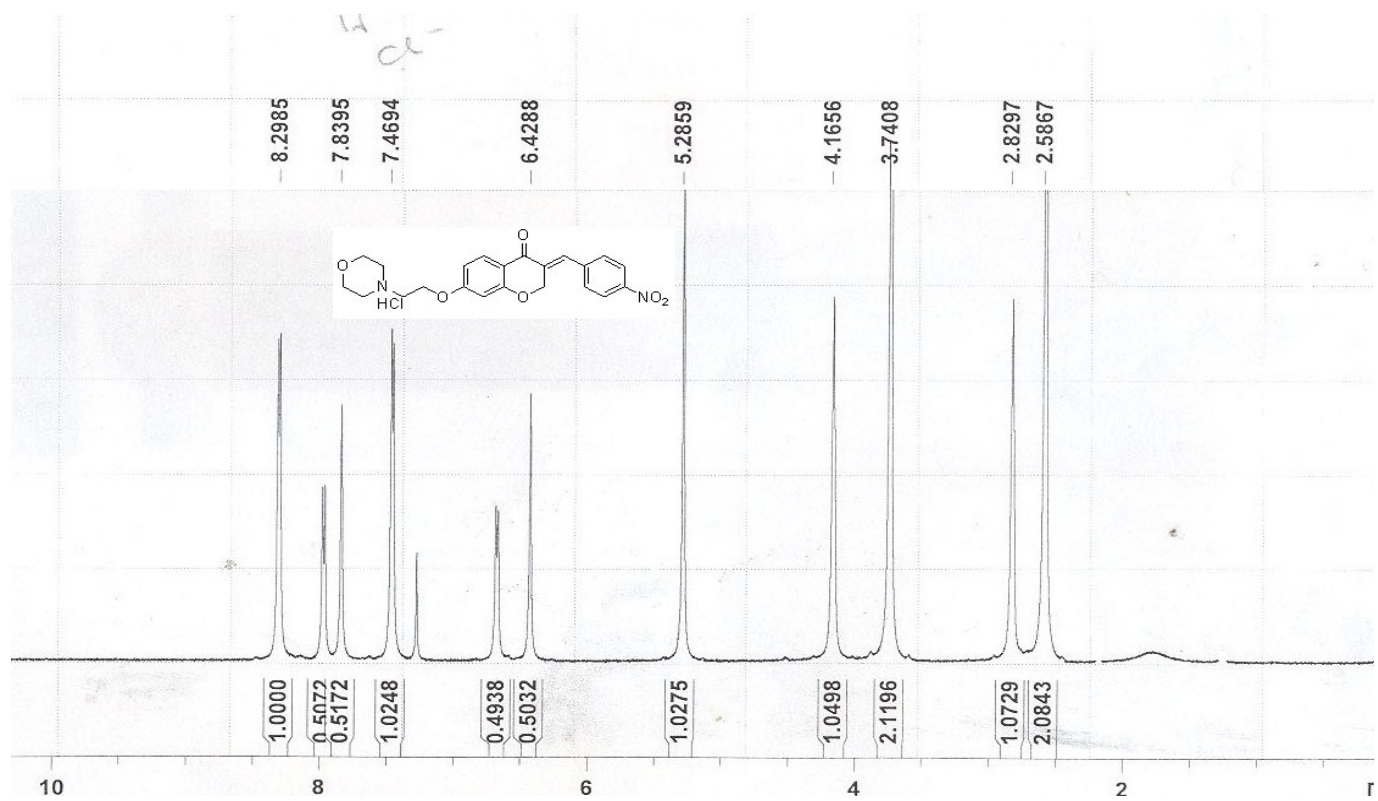
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<sup>b</sup> *Neuroscience Research Center, Institute of Neuropharmacology, Kerman University of Medical Sciences, Kerman, Iran*

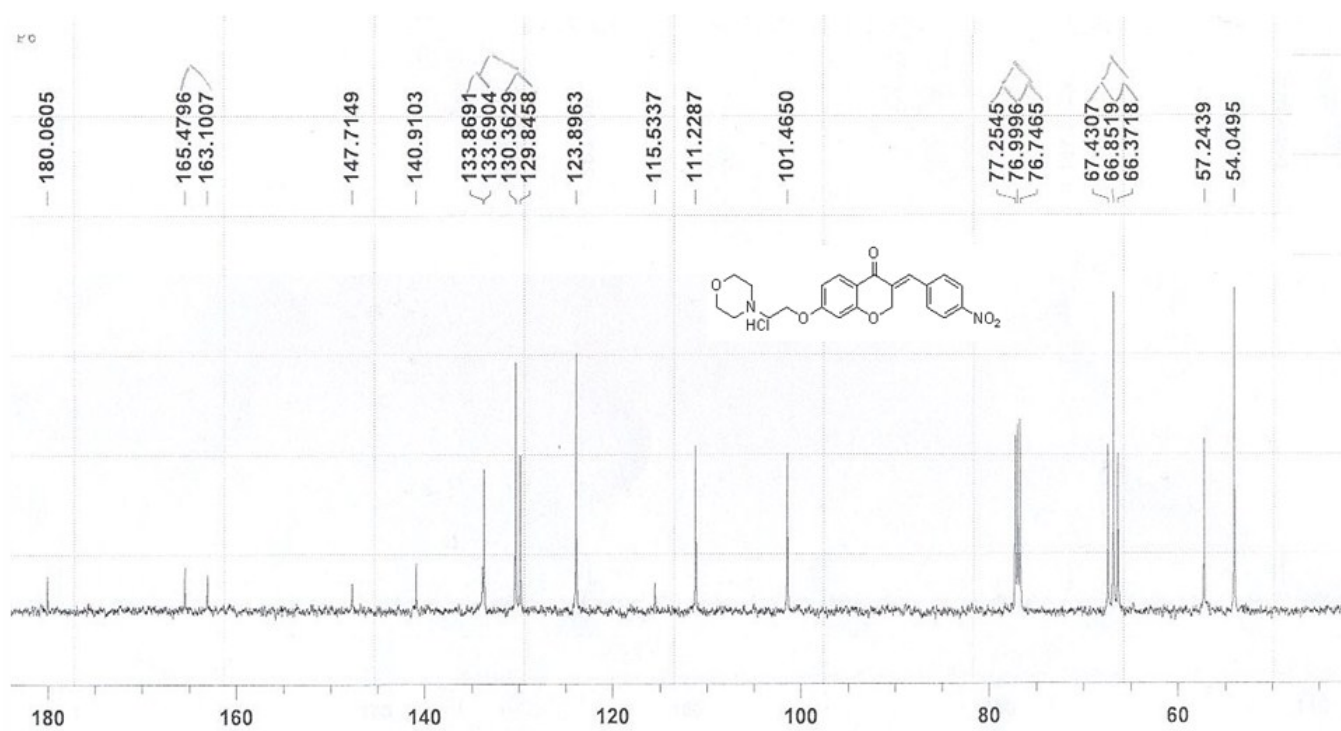
<sup>c</sup> *Drug Design and Development Research Center, Tehran University of Medical Sciences, Tehran, Iran*

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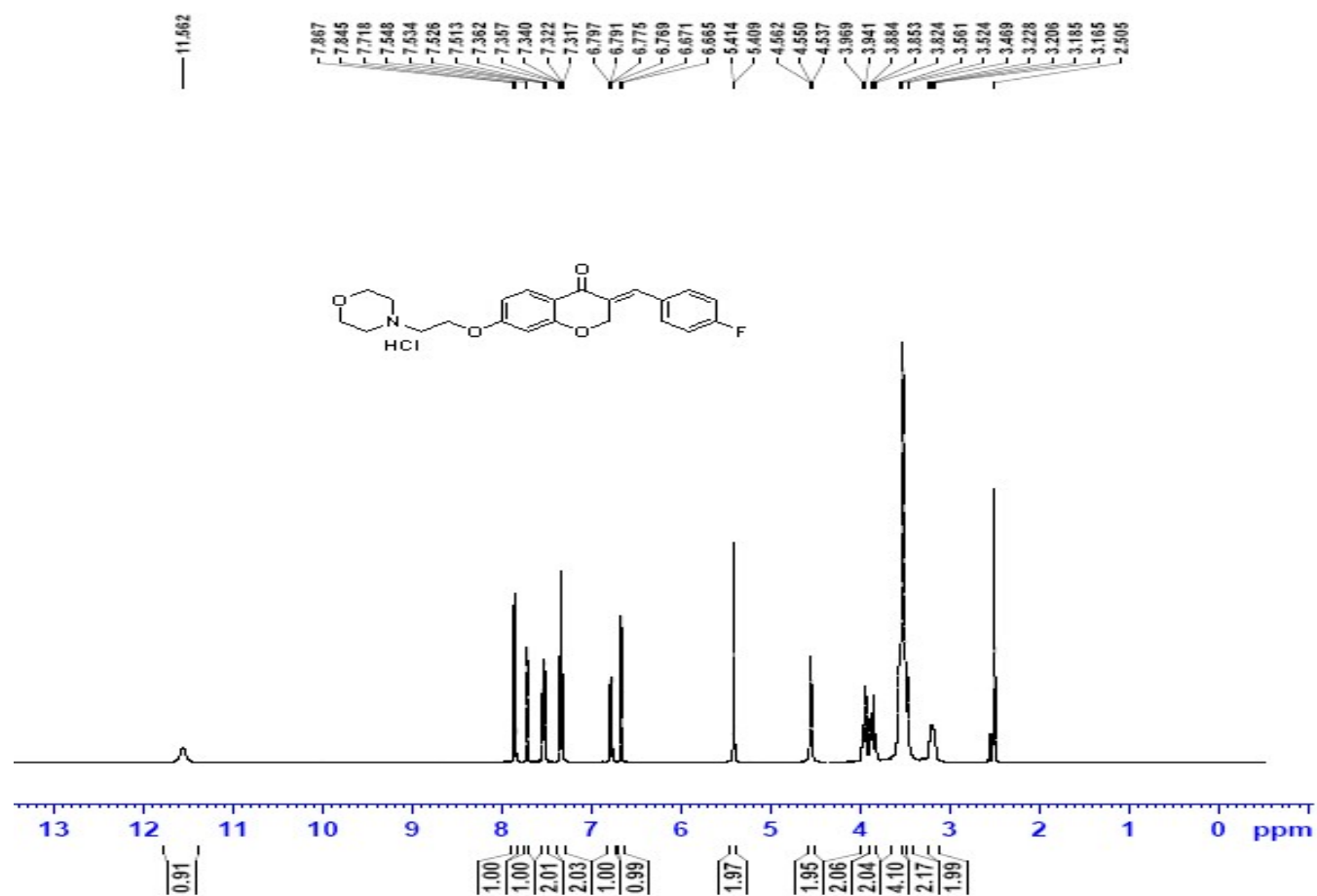
**Fig. S1.** <sup>1</sup>H NMR spectrum of product **8a**

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**Fig. S2.**  $^{13}\text{C}$  NMR spectrum of product **8a**

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**Fig. S3.** <sup>1</sup>H NMR spectrum of product **8b**

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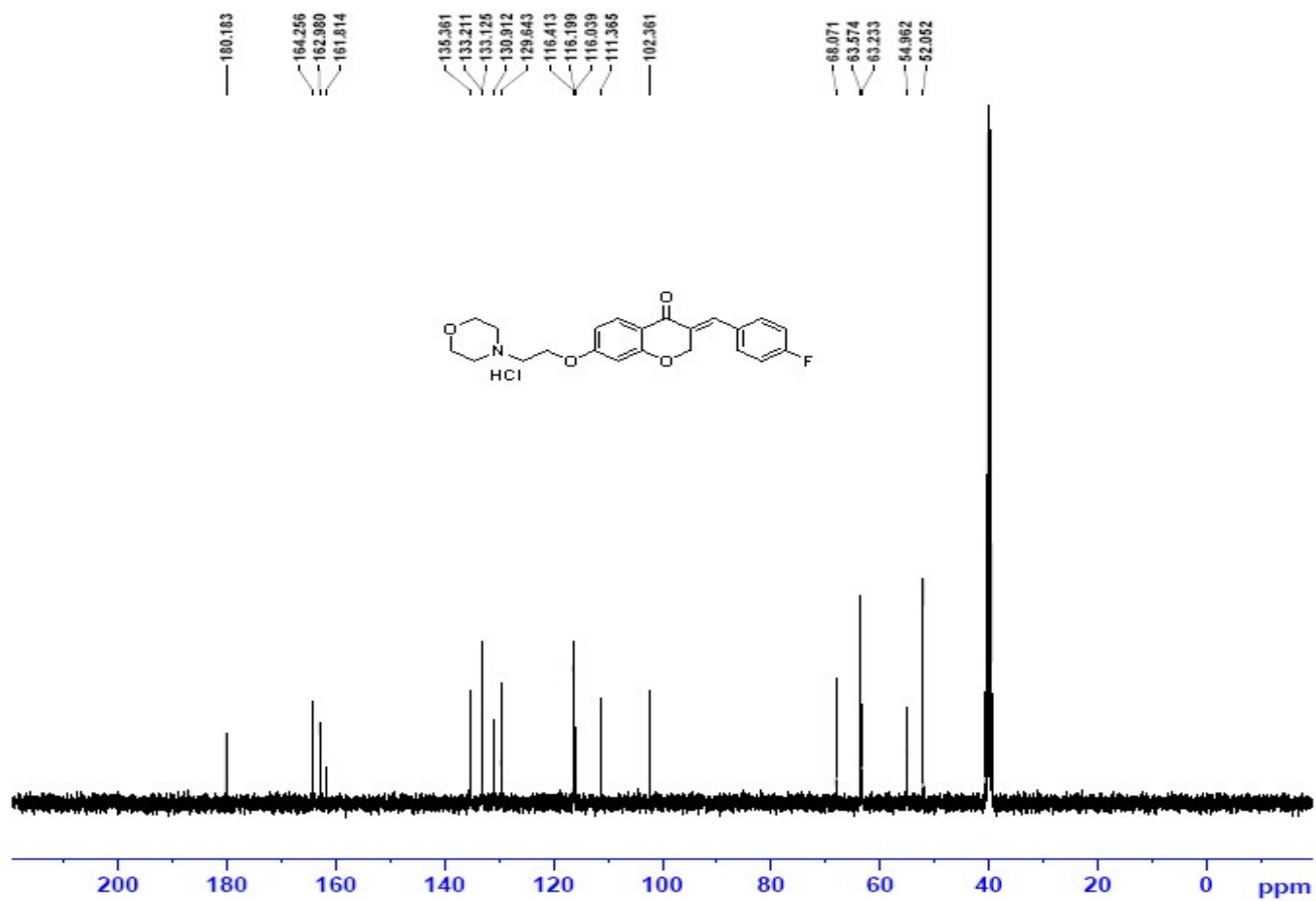


Fig. S4.  $^{13}\text{C}$  NMR spectrum of product **8b**

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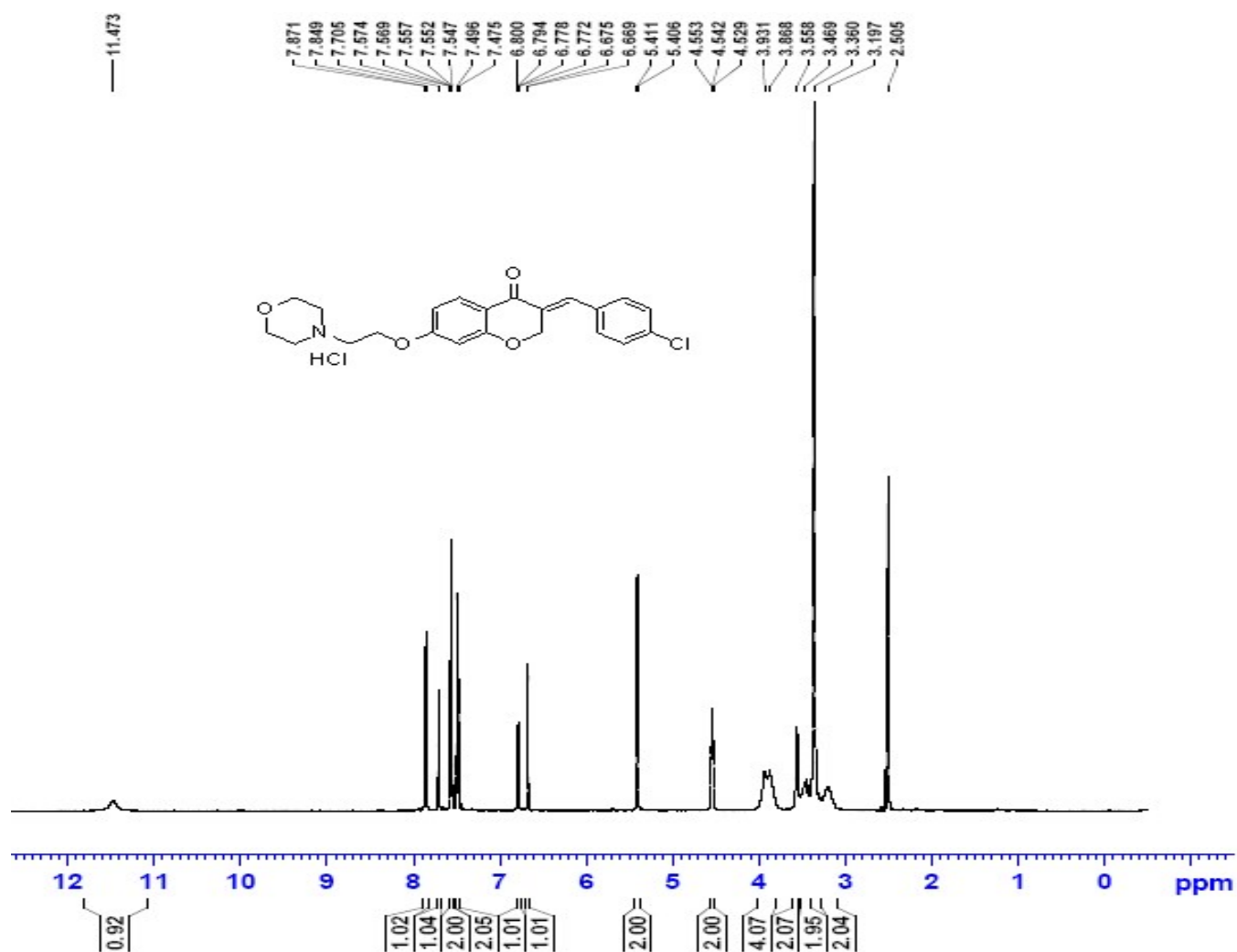


Fig. S5. <sup>1</sup>H NMR spectrum of product **8c**

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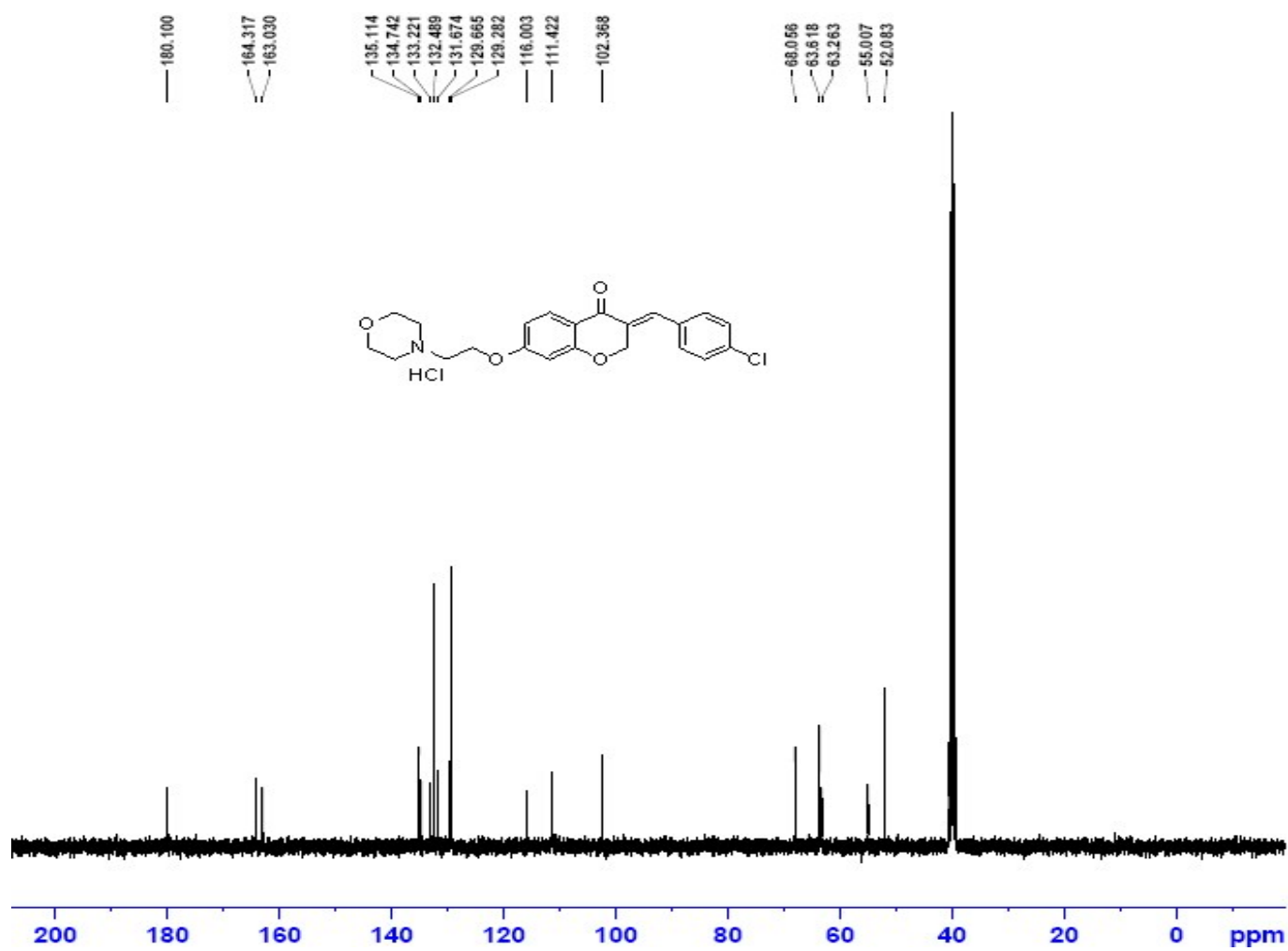


Fig. S6. <sup>13</sup>C NMR spectrum of product **8c**

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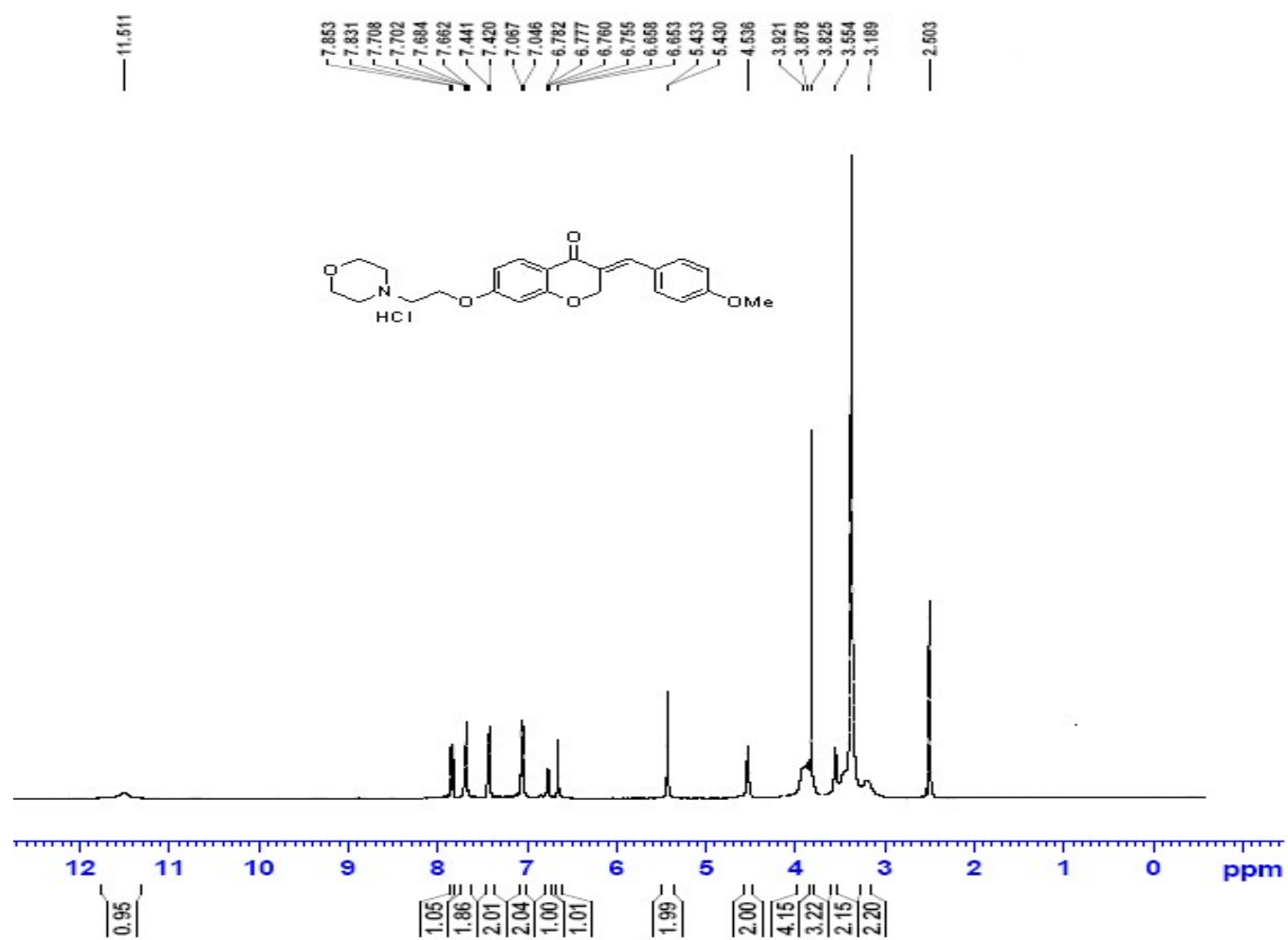


Fig. S7.  $^1\text{H}$  NMR spectrum of product **8d**



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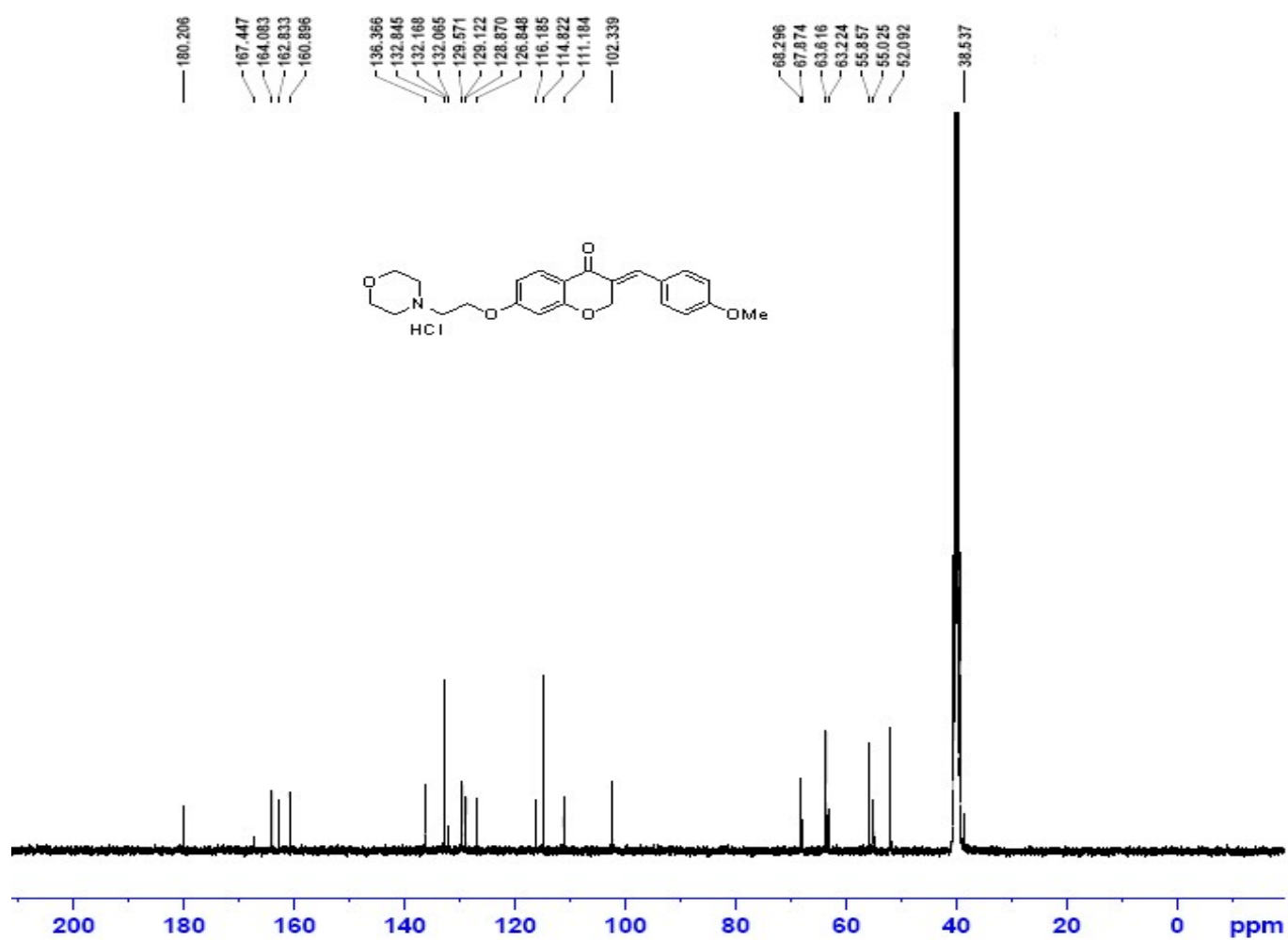
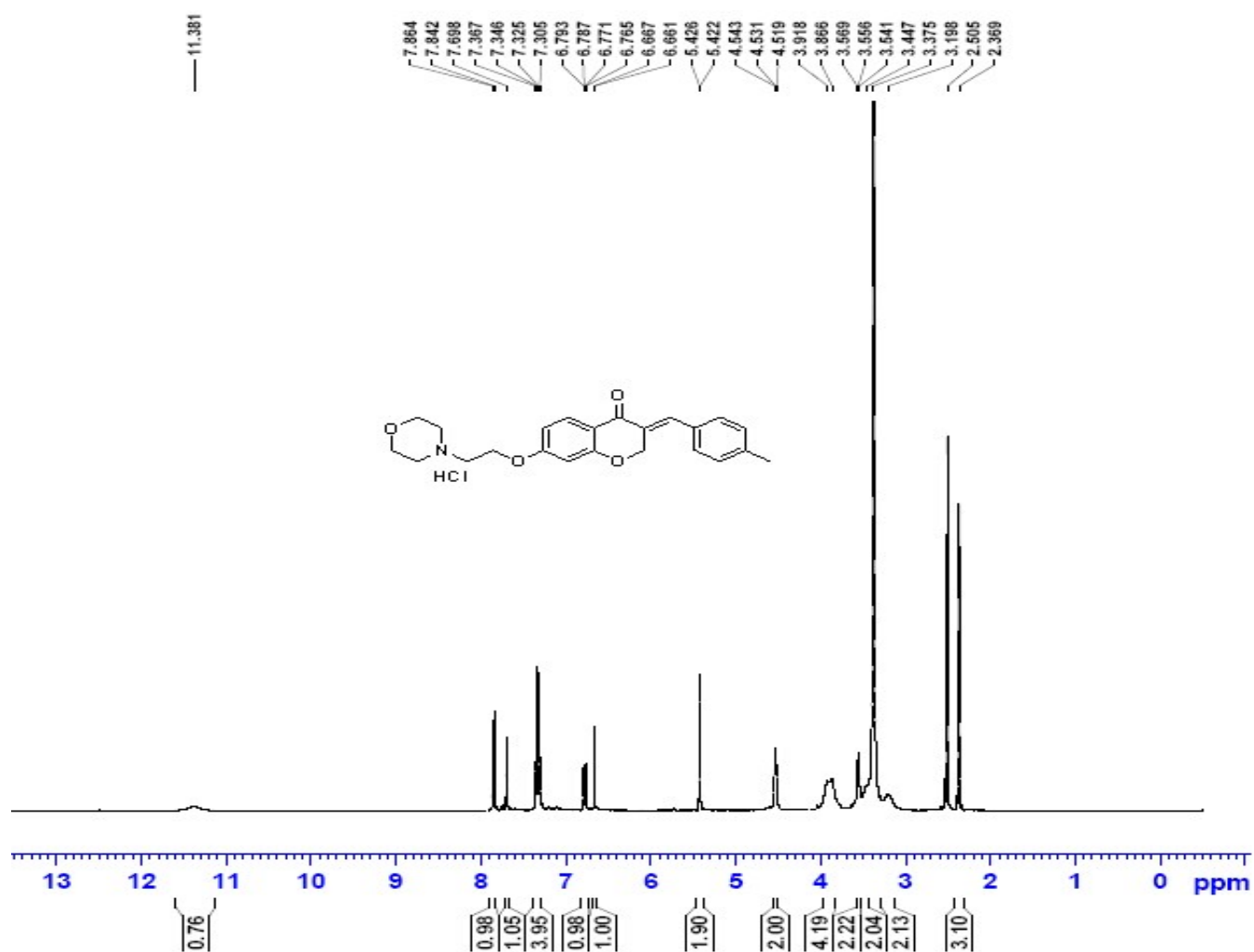


Fig. S8. <sup>13</sup>C NMR spectrum of product **8d**

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**Fig. S9.** <sup>1</sup>H NMR spectrum of product **8e**

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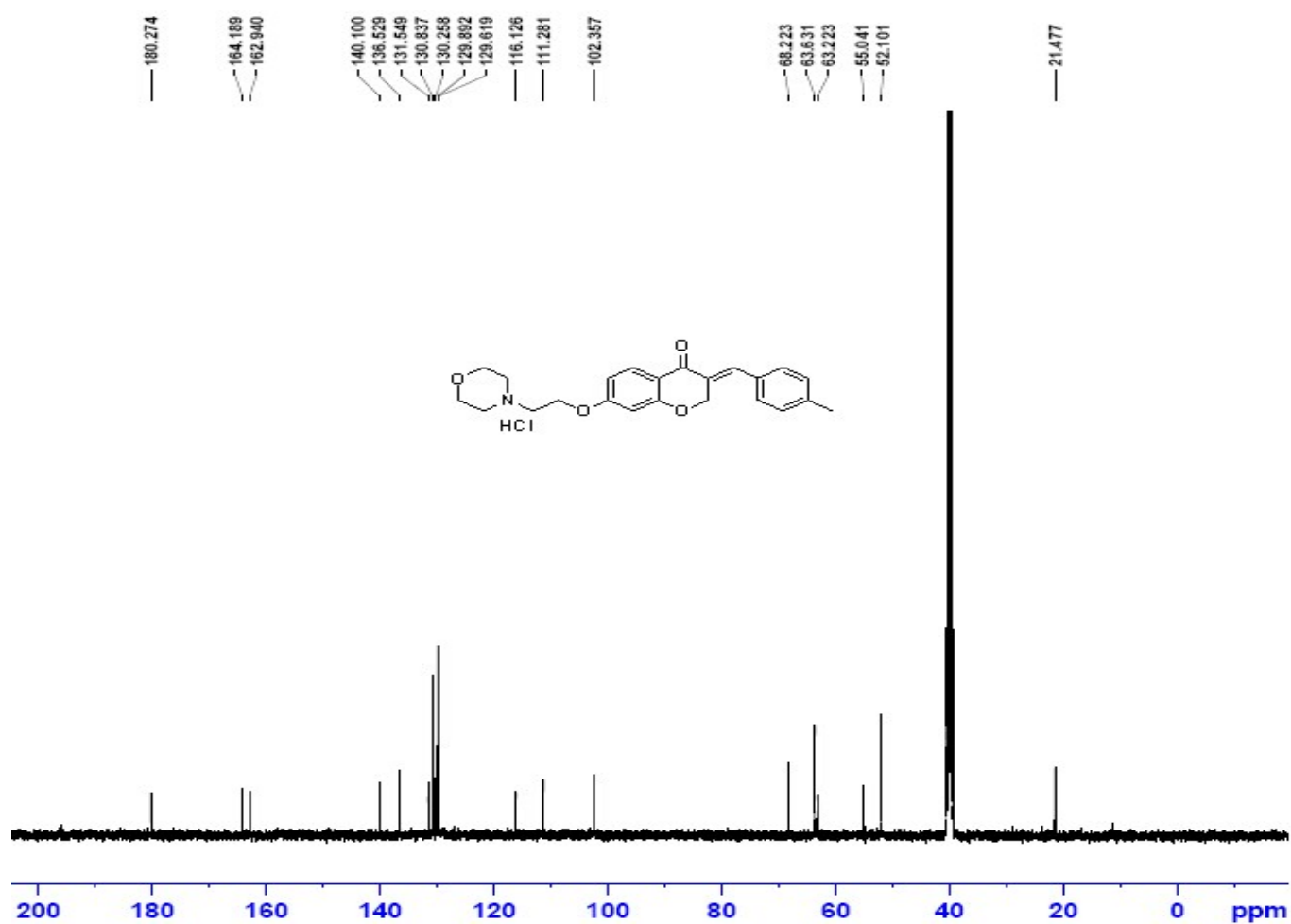


Fig. S10.  $^{13}\text{C}$  NMR spectrum of product **8e**

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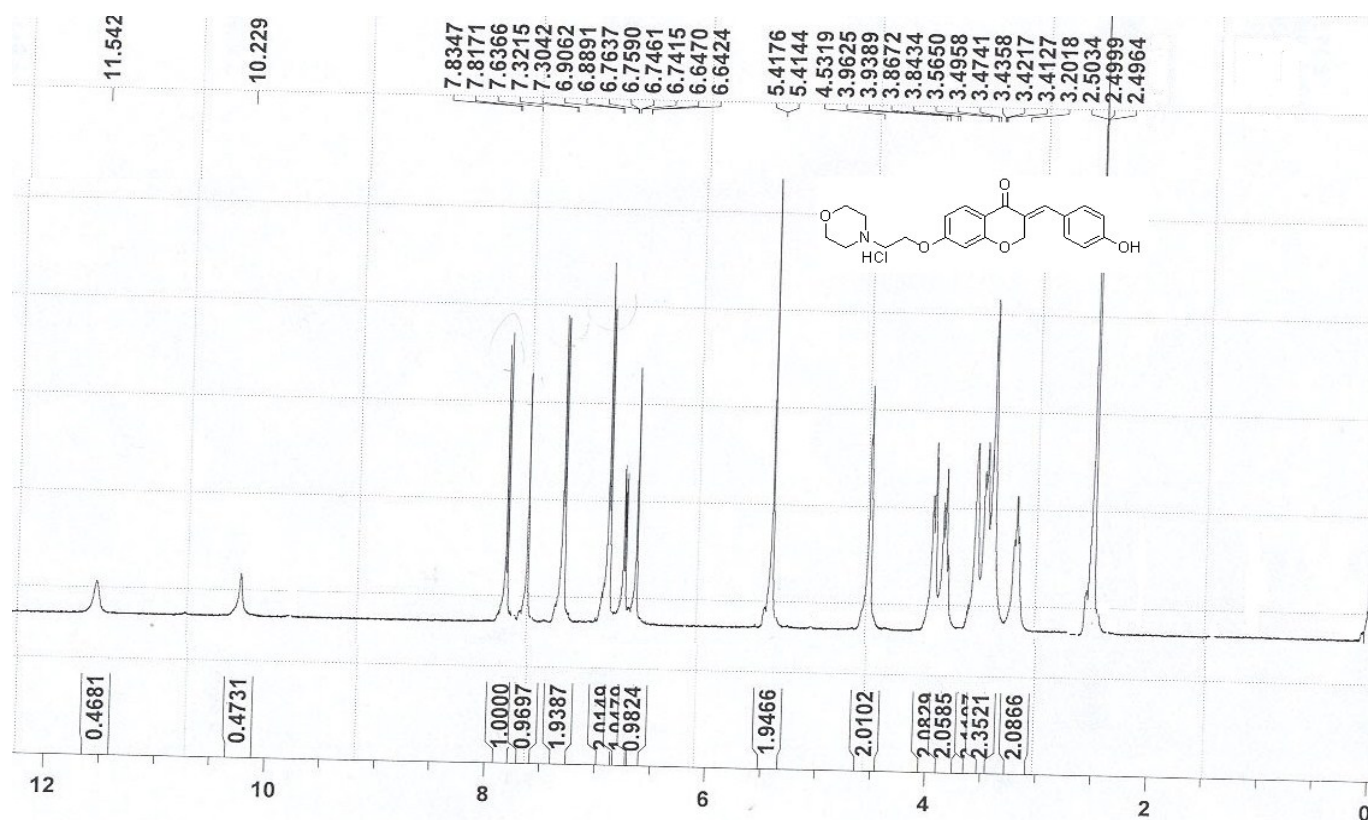


Fig. S11. <sup>1</sup>H NMR spectrum of product **8f**

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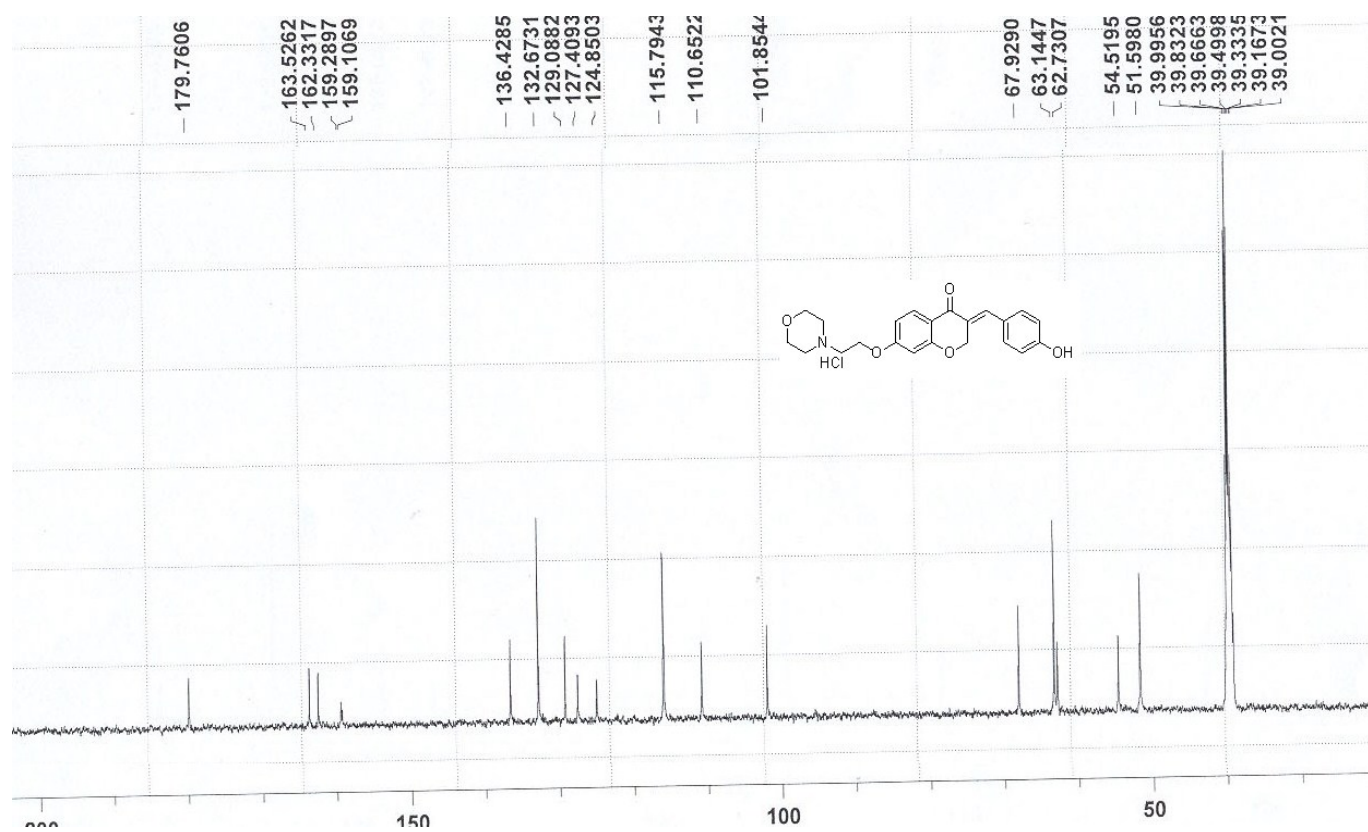


Fig. S12. <sup>13</sup>C NMR spectrum of product 8f

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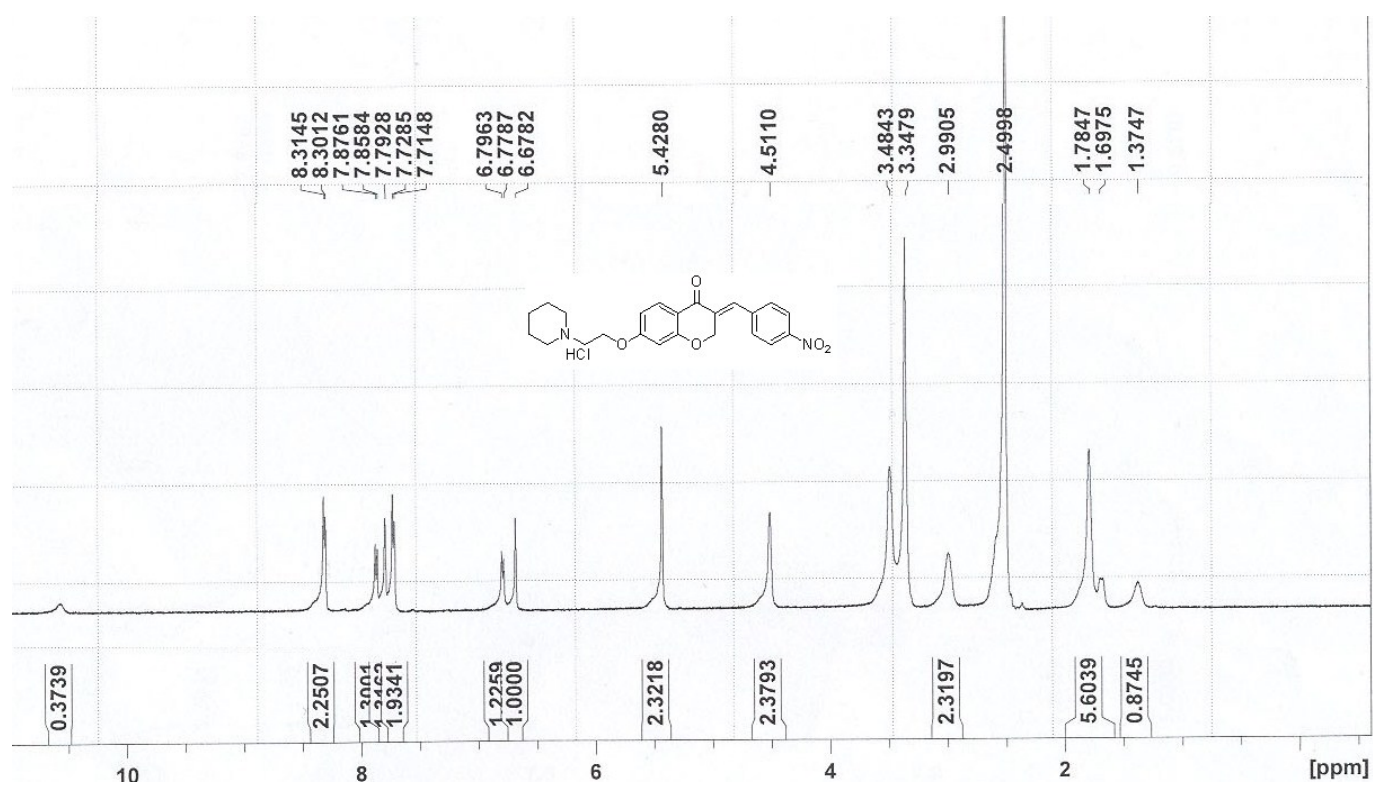


Fig. S13. <sup>1</sup>H NMR spectrum of product **8g**

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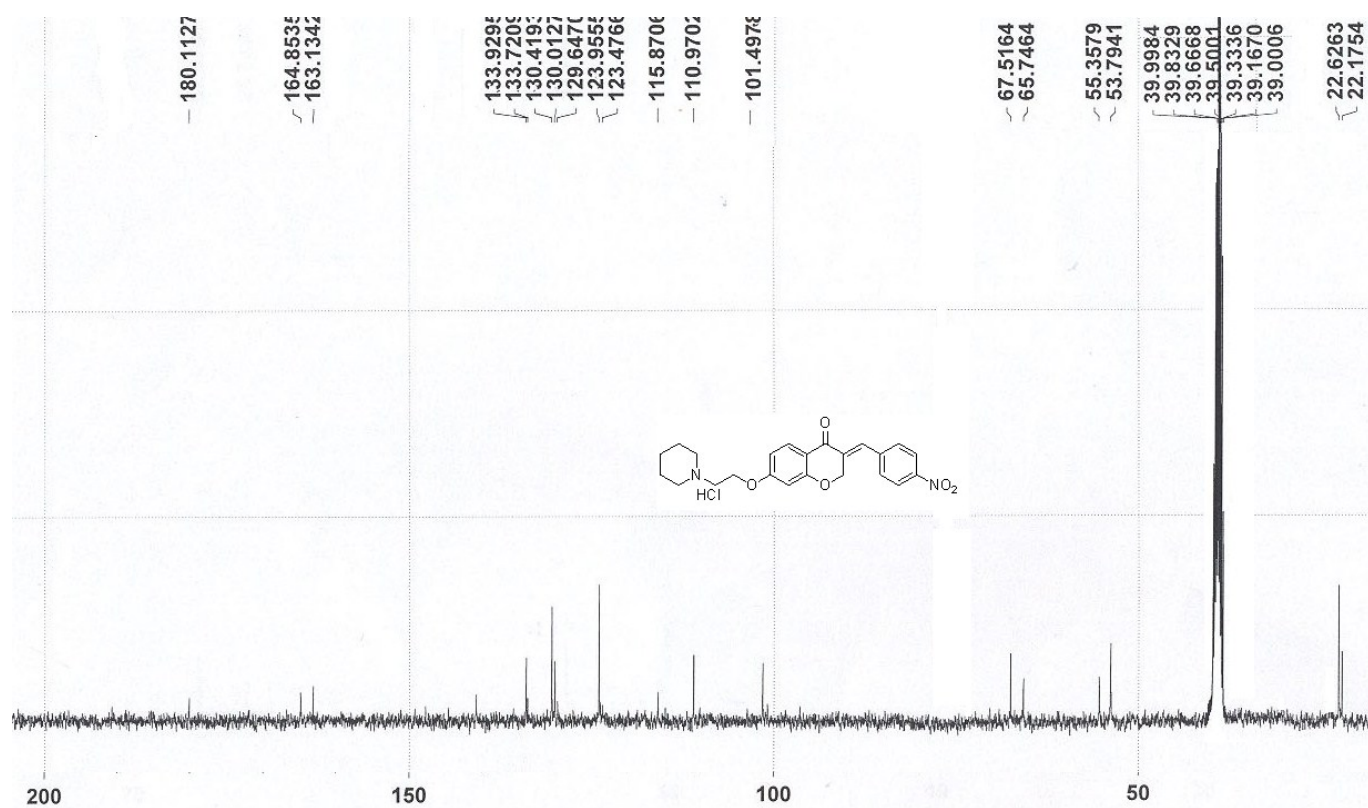
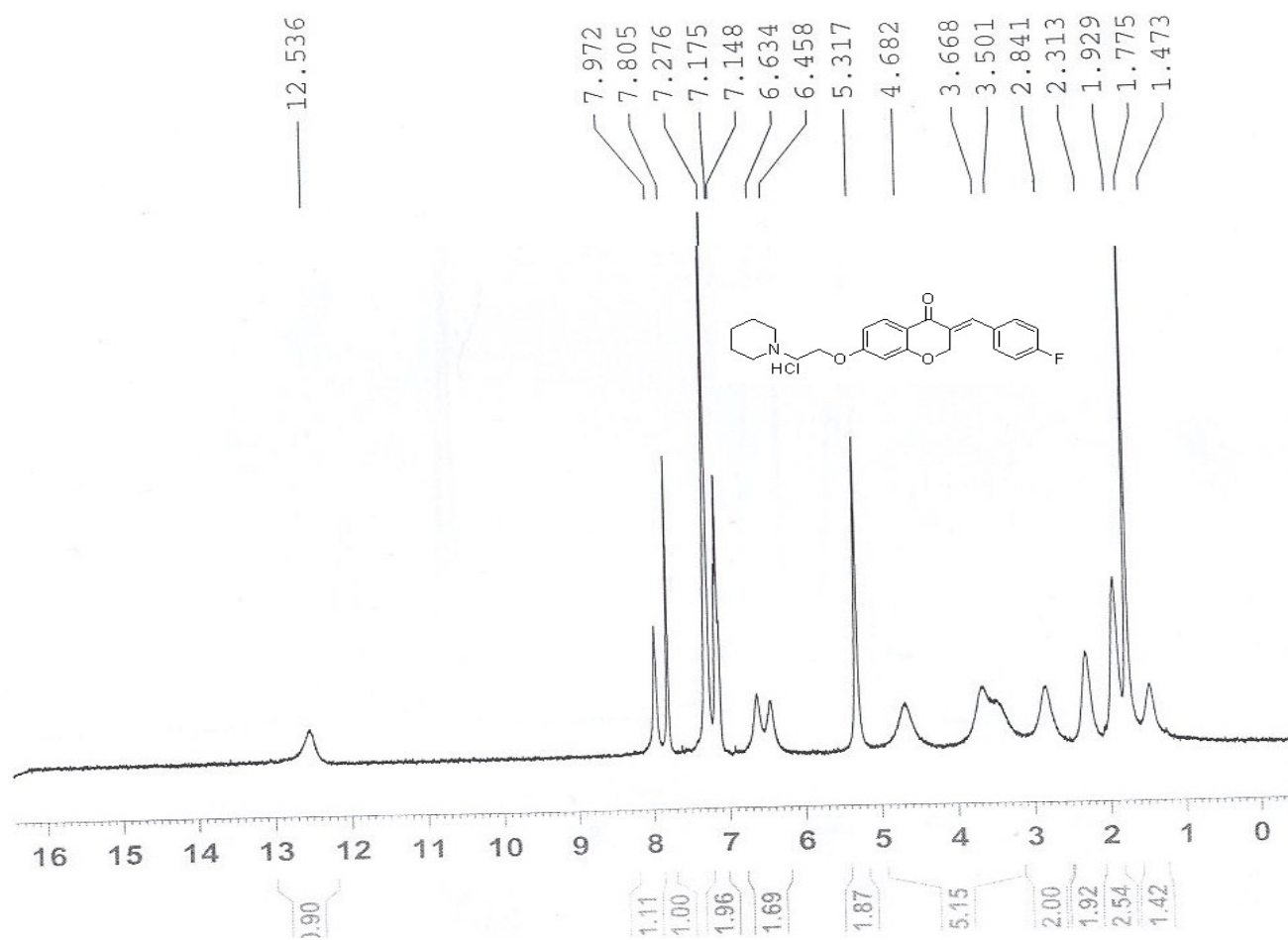


Fig. S14. <sup>13</sup>C NMR spectrum of product **8g**



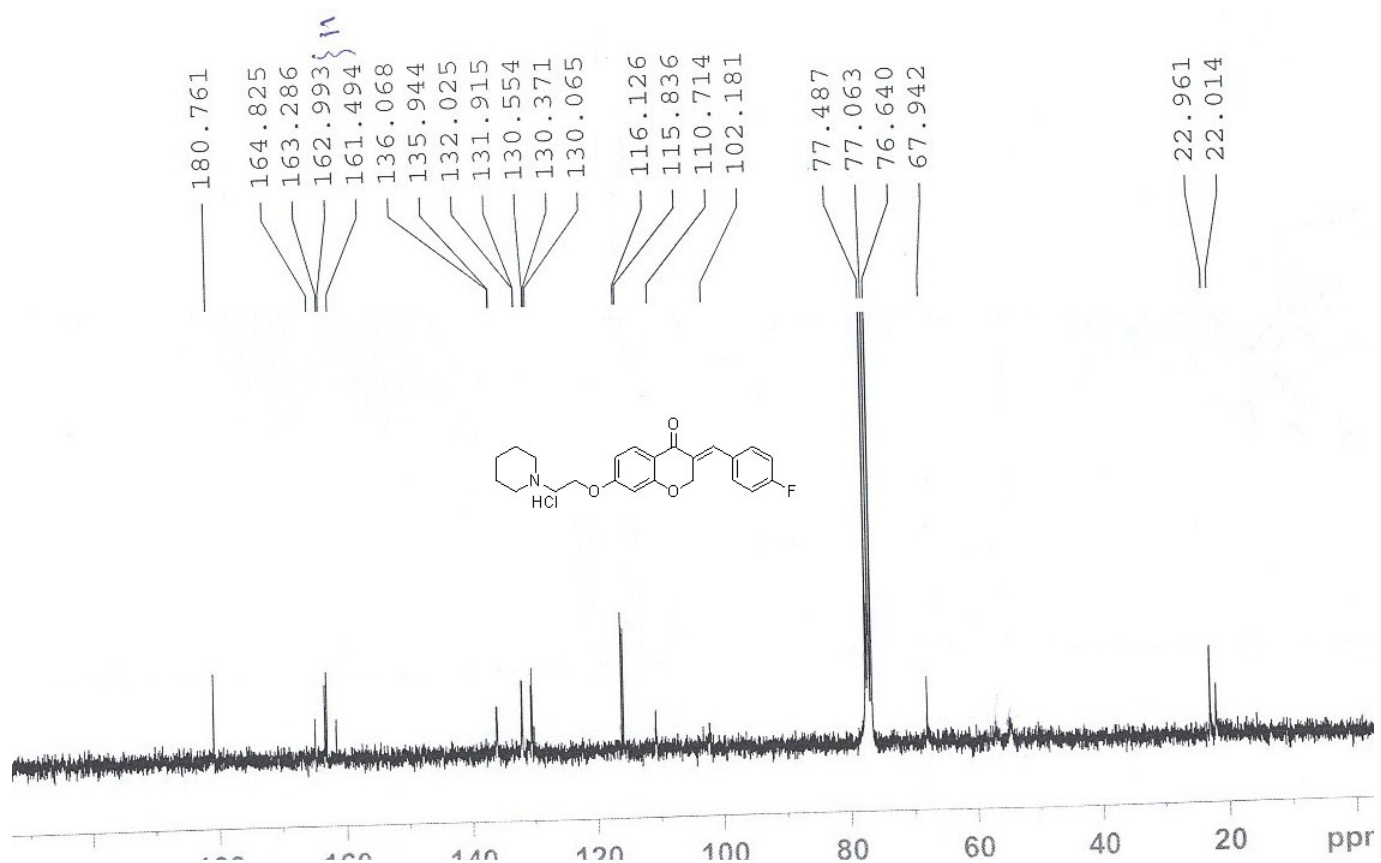
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**Fig. S15.** <sup>1</sup>H NMR spectrum of product **8h**

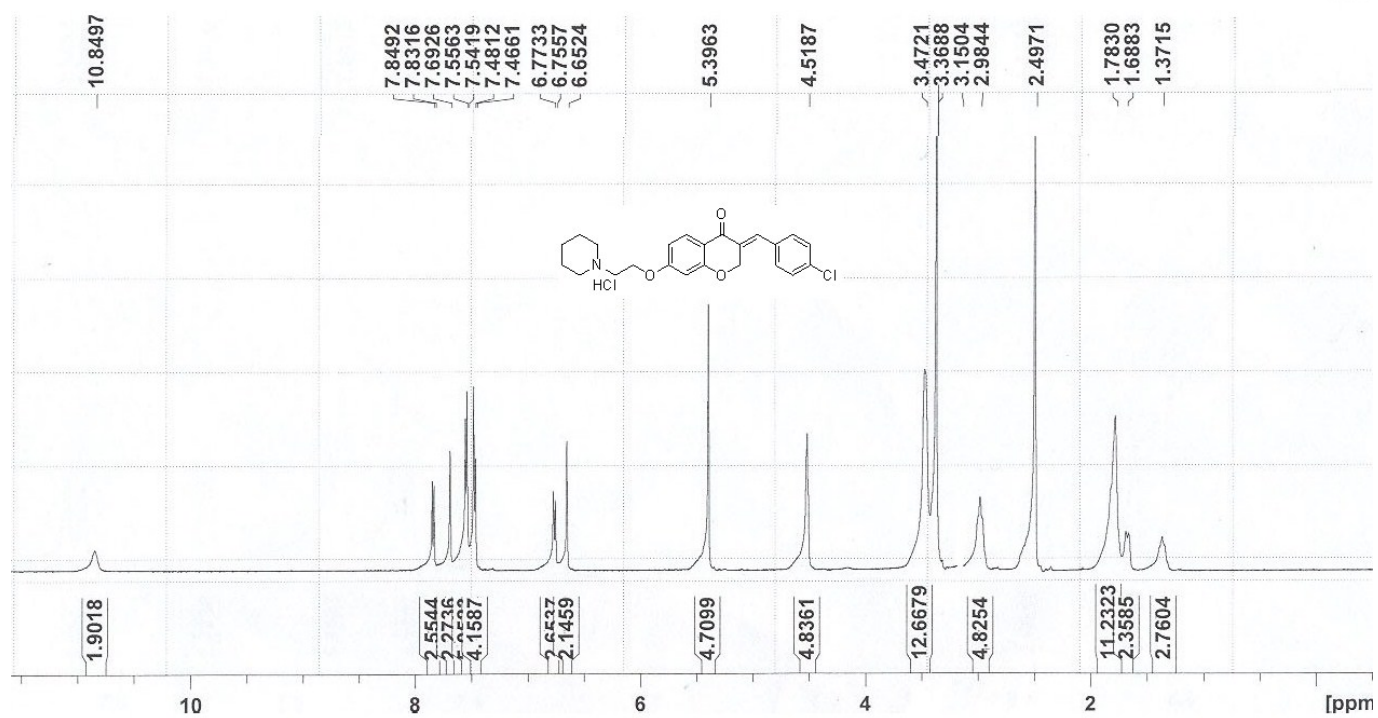


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**Fig. S16.**  $^{13}\text{C}$  NMR spectrum of product **8h**

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**Fig. S17.** <sup>1</sup>H NMR spectrum of product **8i**

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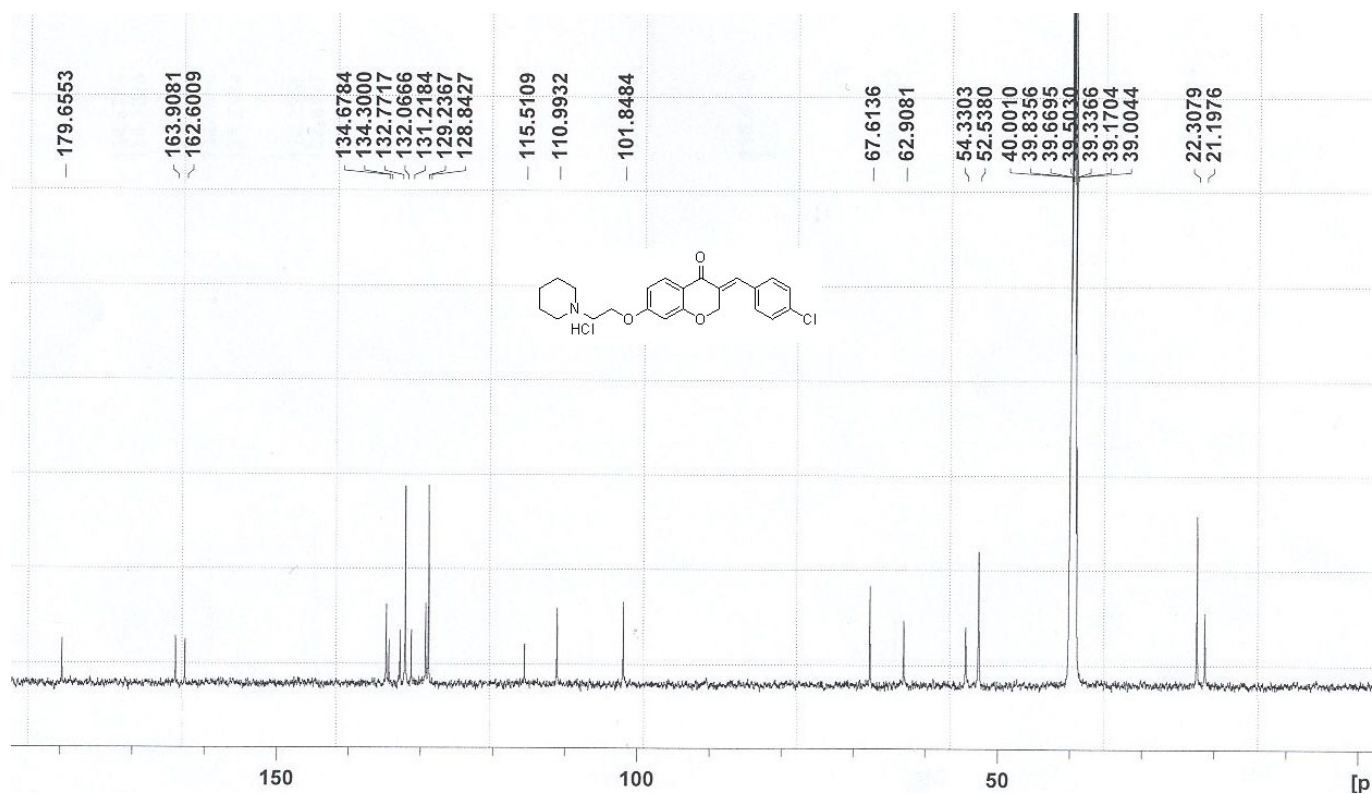


Fig. S18. <sup>13</sup>C NMR spectrum of product 8i

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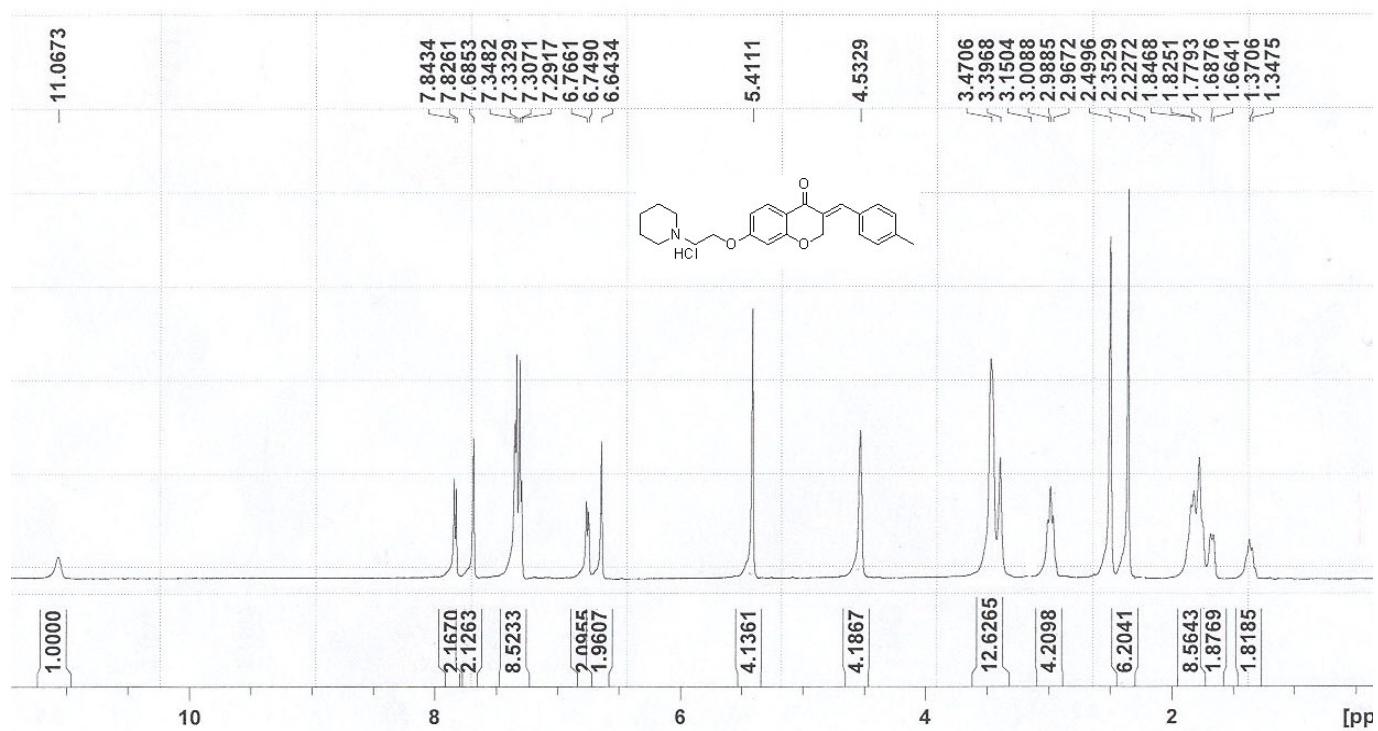


Fig. S19. <sup>1</sup>H NMR spectrum of product **8k**

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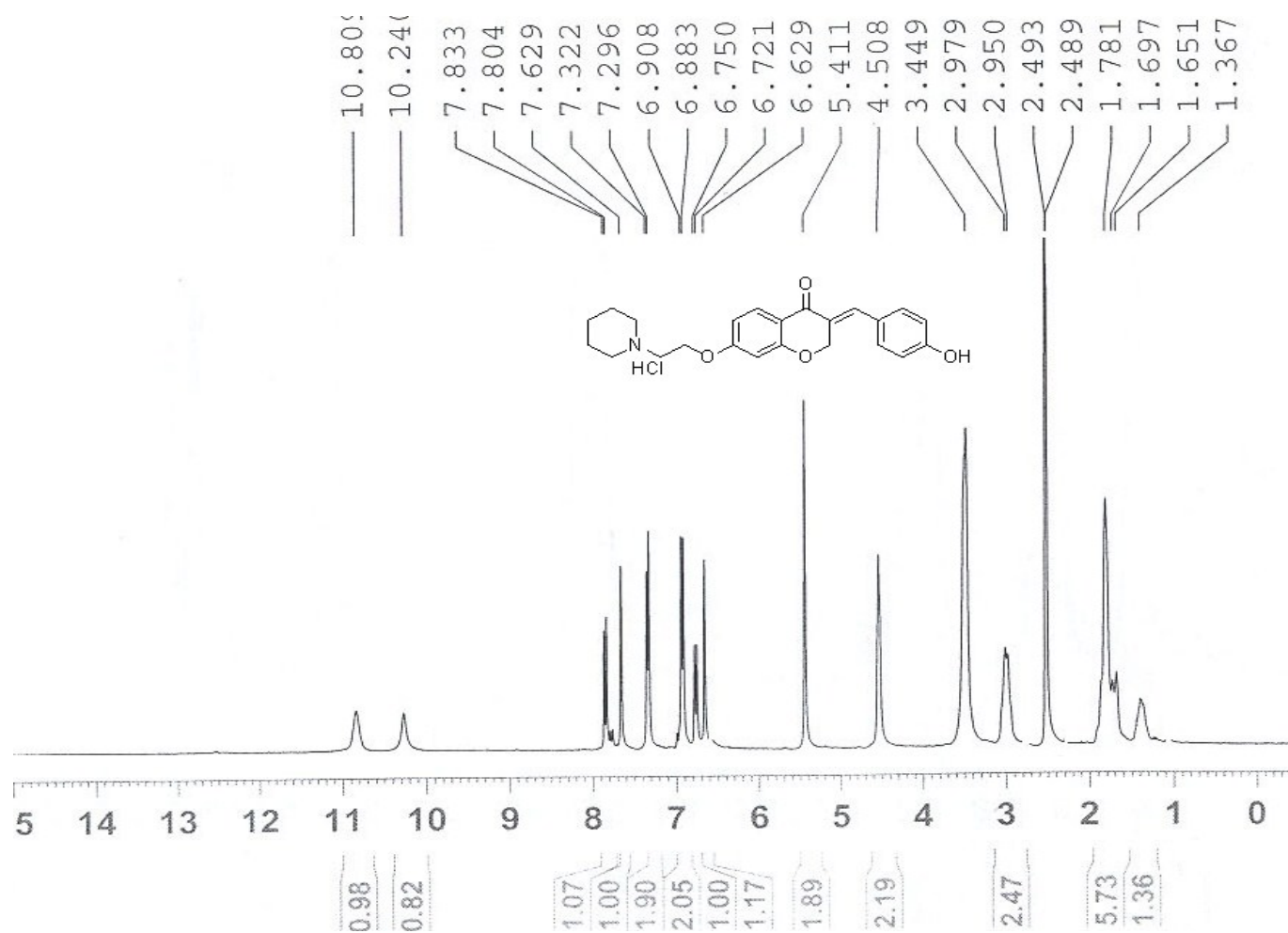


Fig. S20. <sup>1</sup>H NMR spectrum of product **8I**

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