

¹HNMR and ¹³CNMR files for

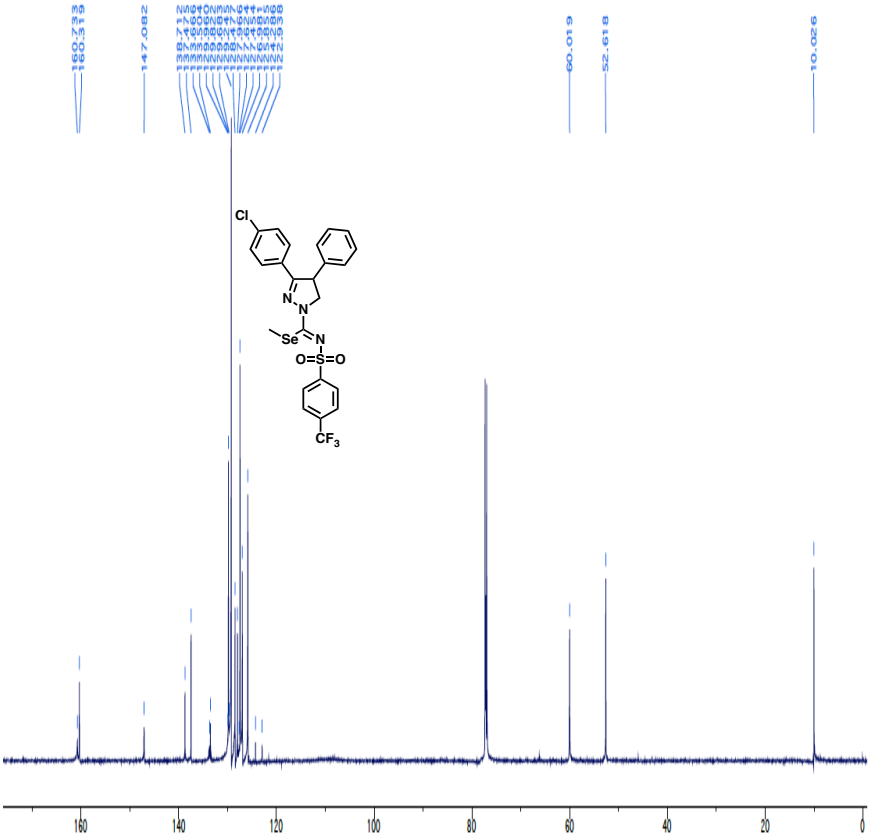
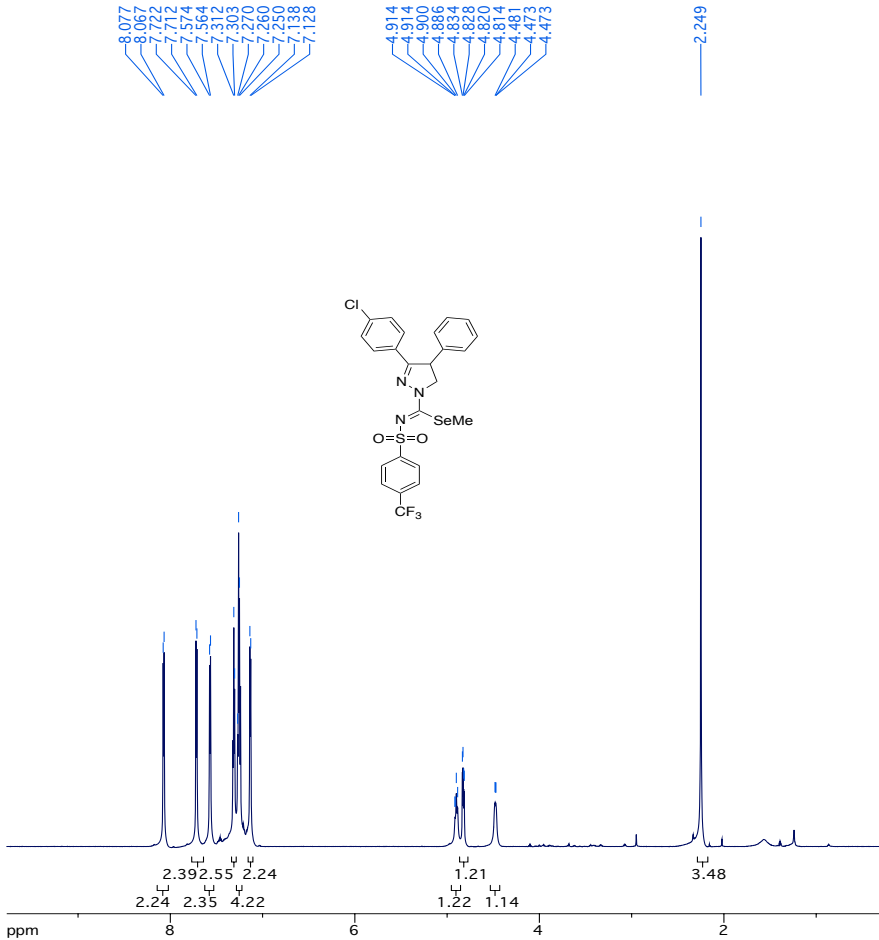
Unlocking selenium chemical space via a programmable synthesis platform bearing cannabinoid receptor recognition motifs

Malliga R. Iyer,¹ Pinaki Bhattacharjee,¹ Subhradeep Dutta,¹ Maloba M.M. Lobe,^{1#} Paul D.Volesky,¹ Grzegorz Godlewski,² Henry L. Puhl III,³ Sergio A Hassan⁴*

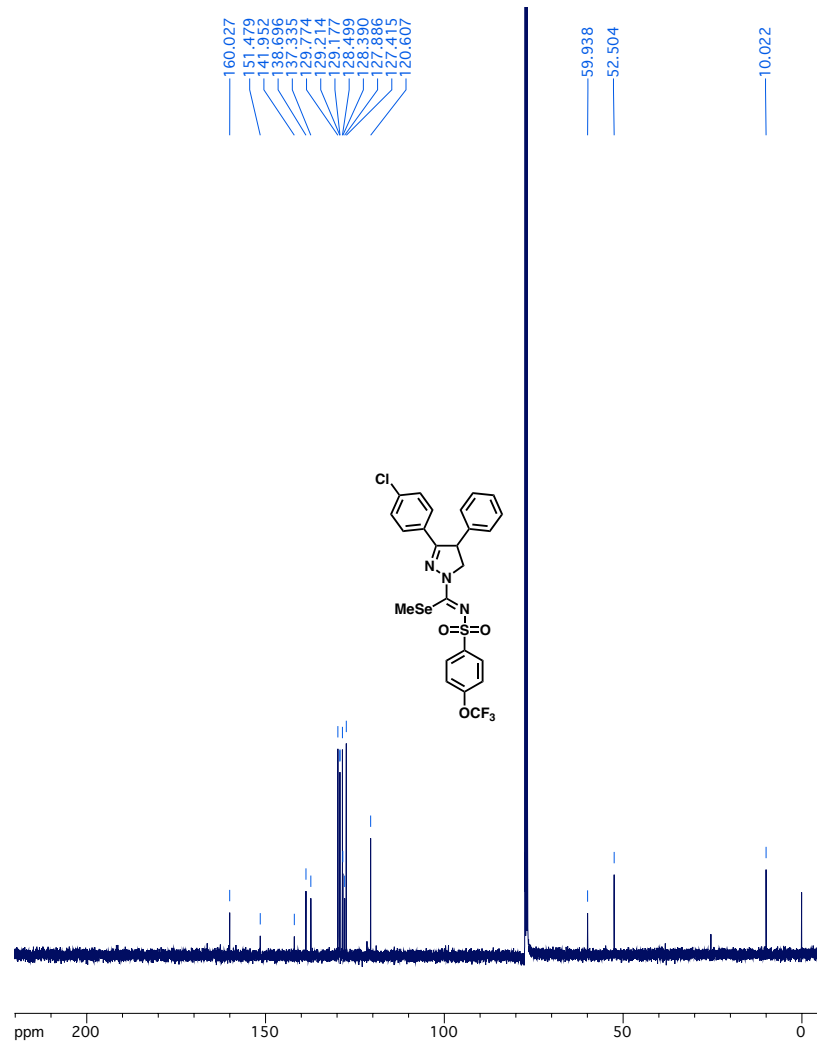
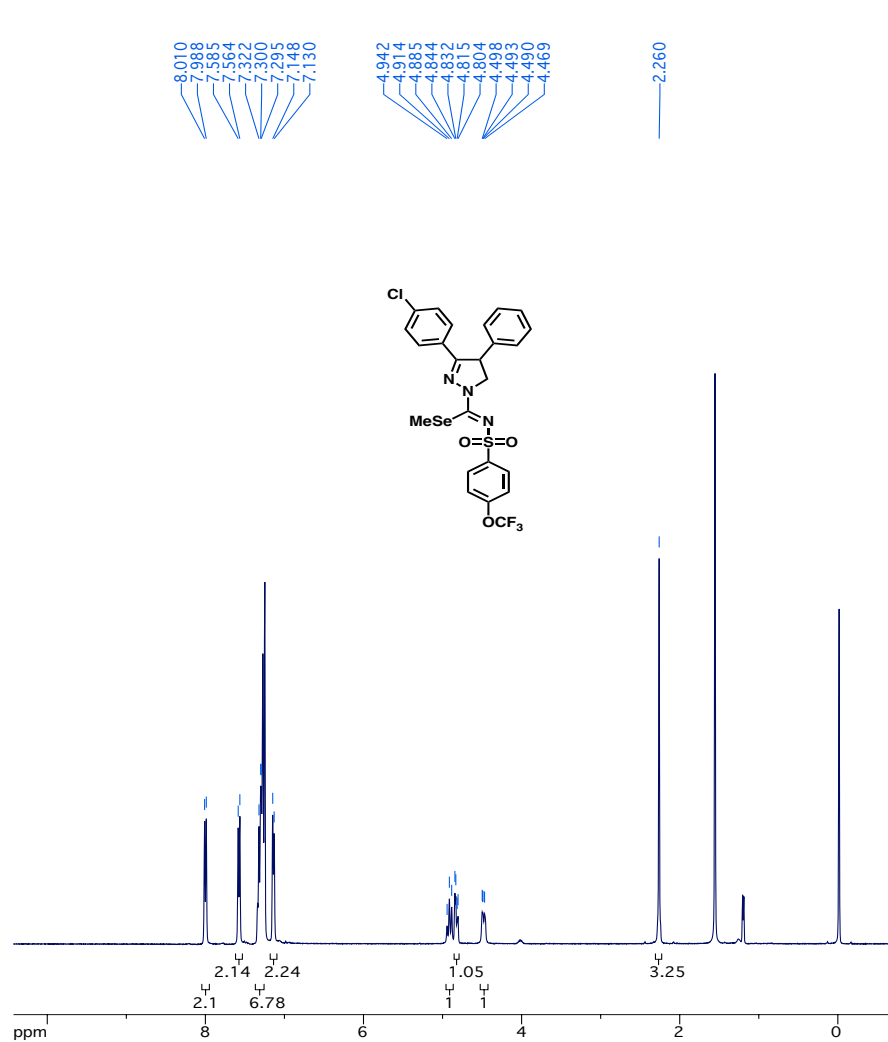
¹Section on Medicinal Chemistry, National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), 5625 Fishers Lane, Rockville, MD 20852, USA, ²Laboratory of Physiologic Studies, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, 5625 Fishers Lane, Rockville, MD 20852, USA.

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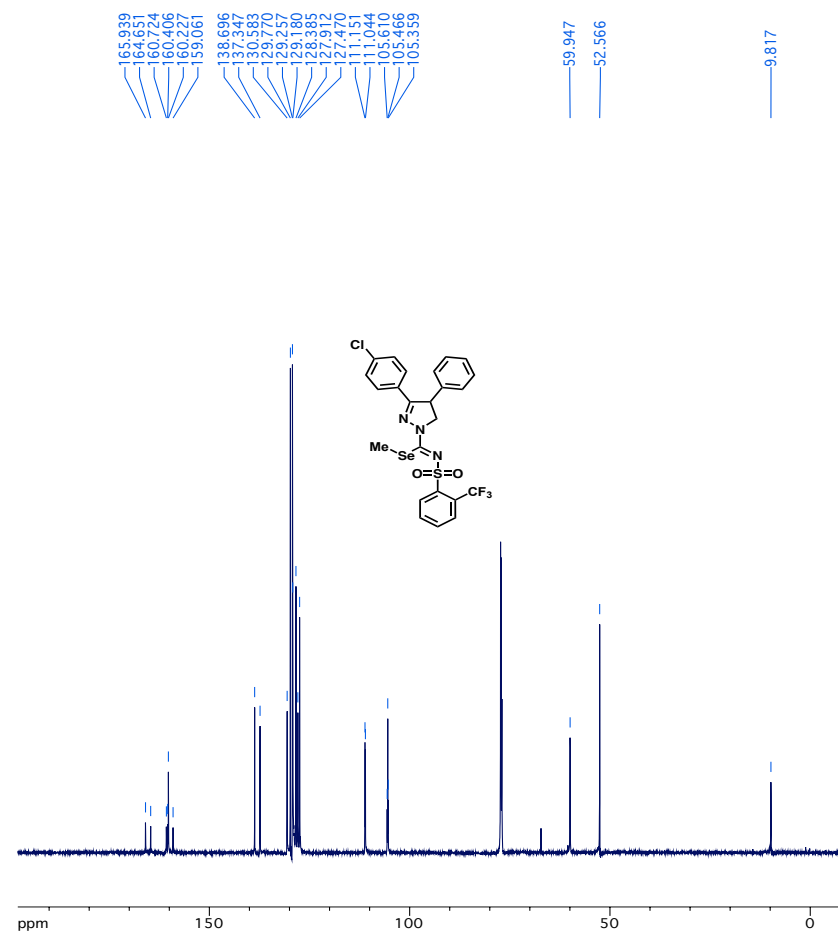
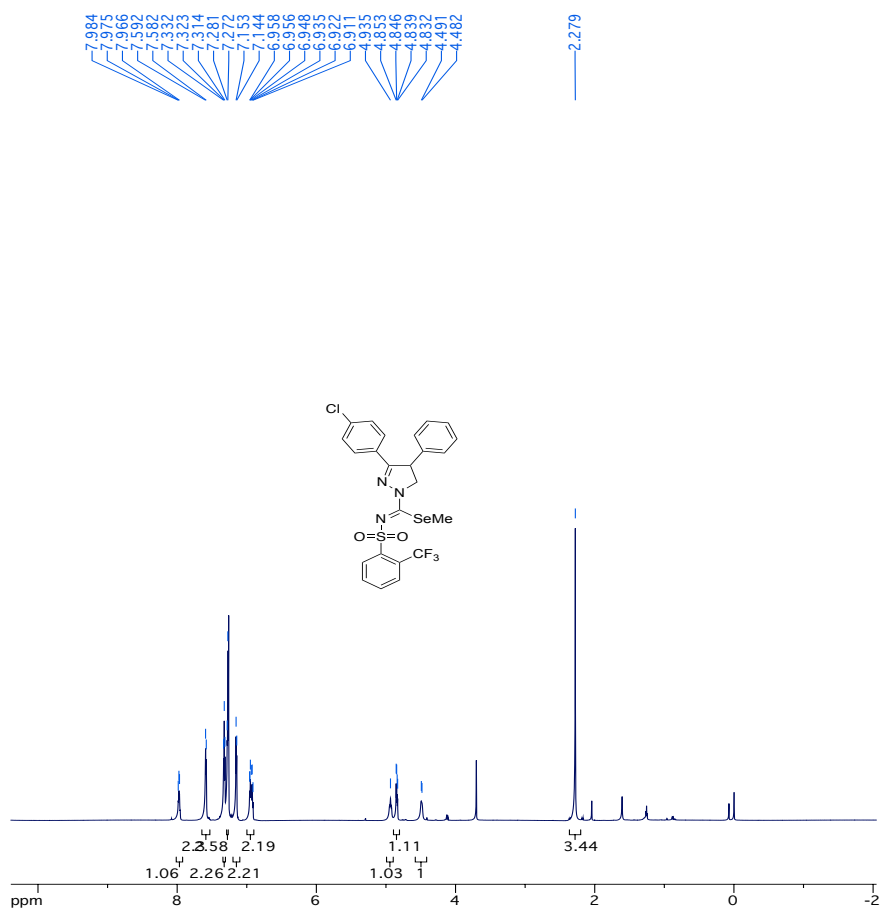
Corresponding author: malliga.iyer@nih.gov # Current affiliation: Department of Chemistry, University of Buea, Cameroon

^1H NMR and ^{13}C NMR of **4a**

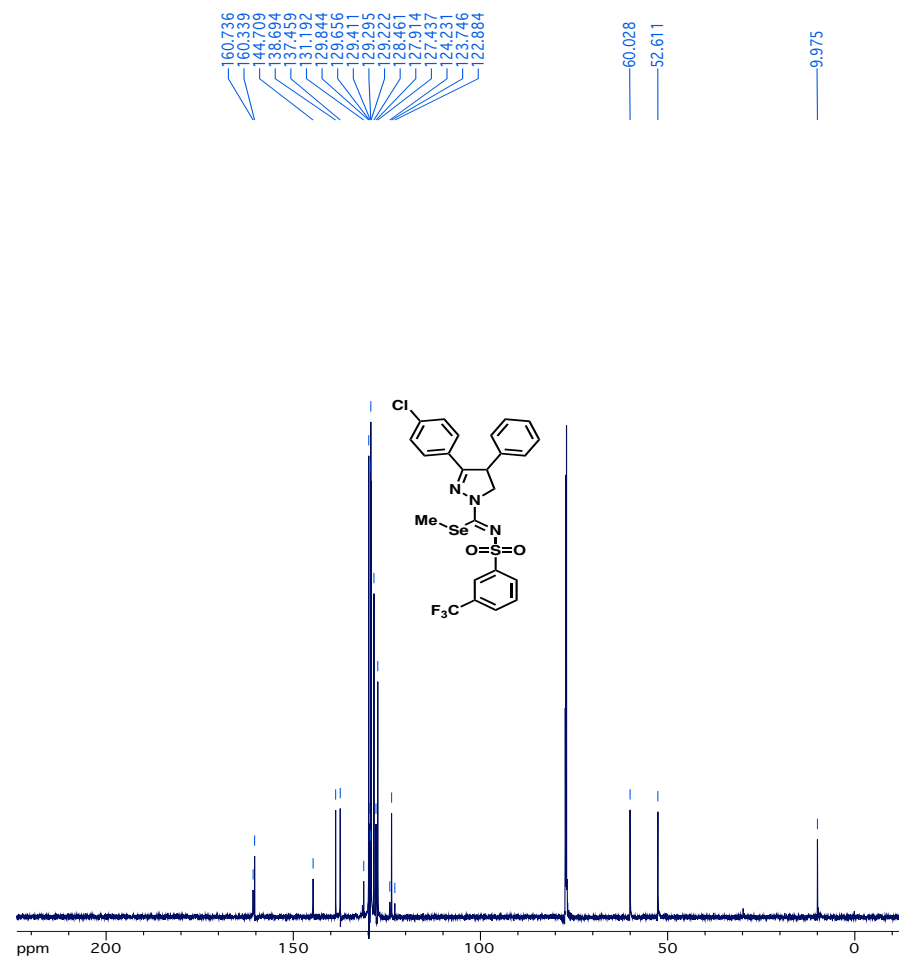
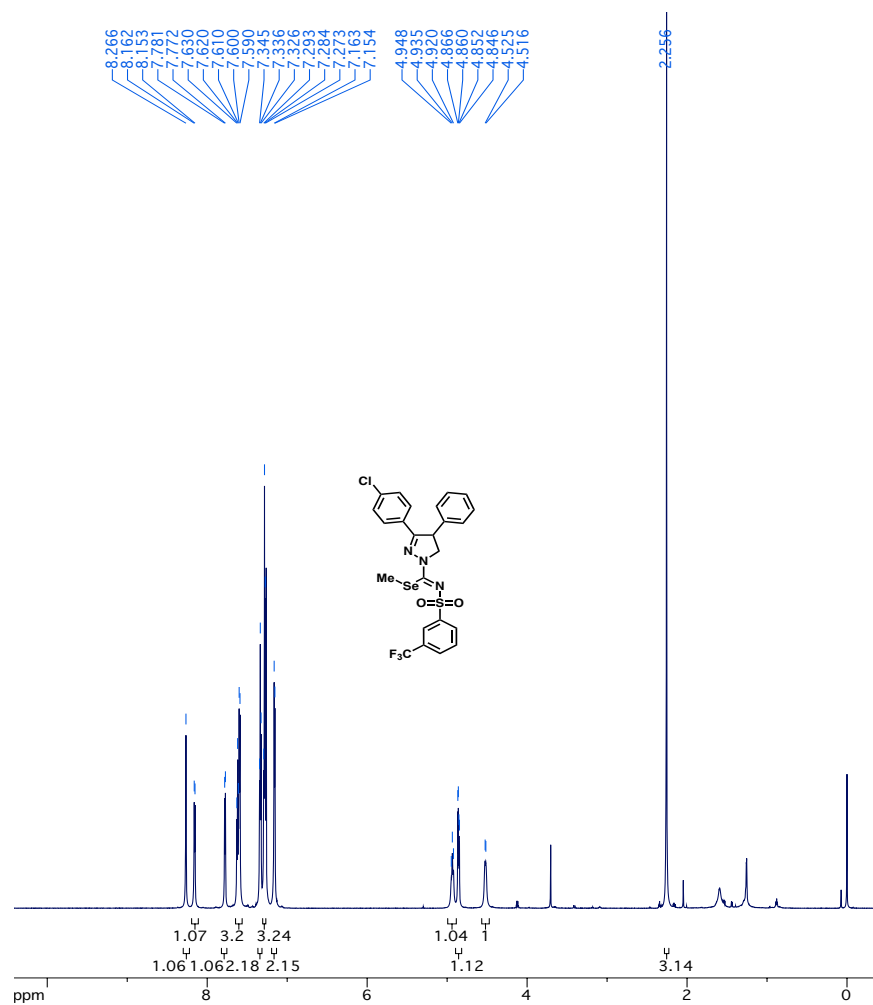
¹HNMR and ¹³CNMR of **4b**



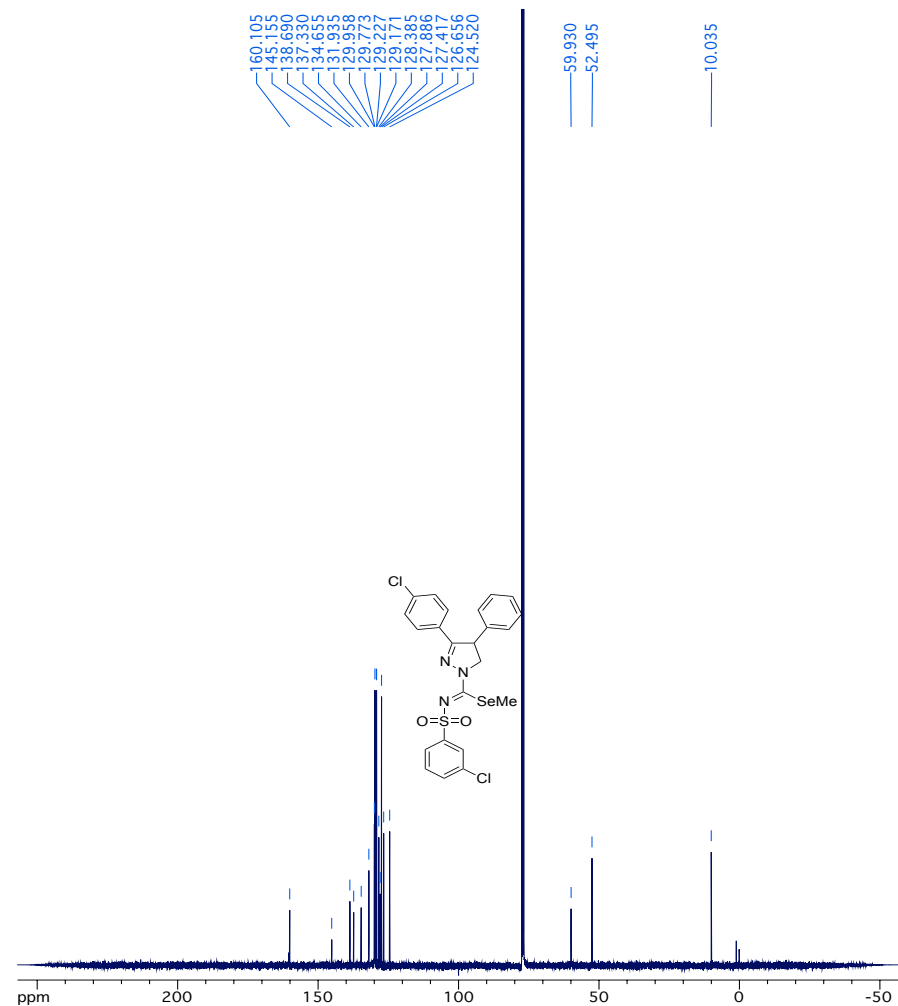
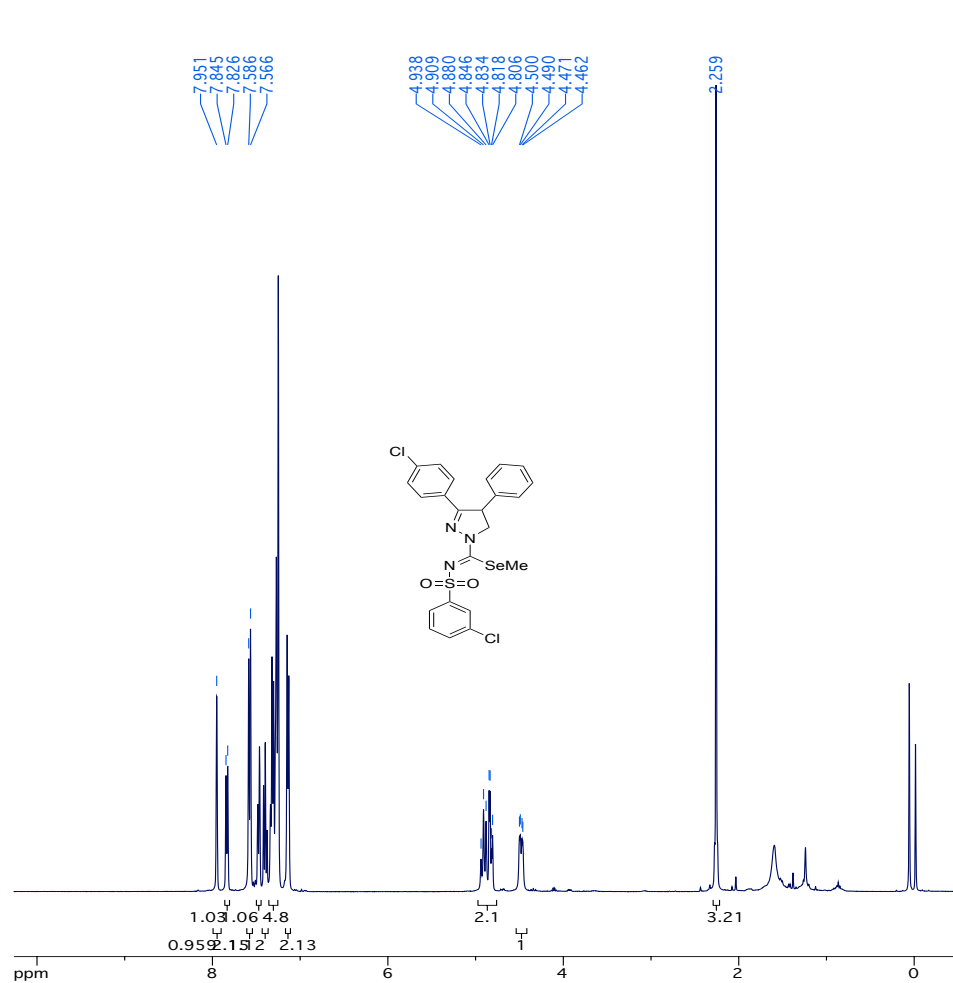
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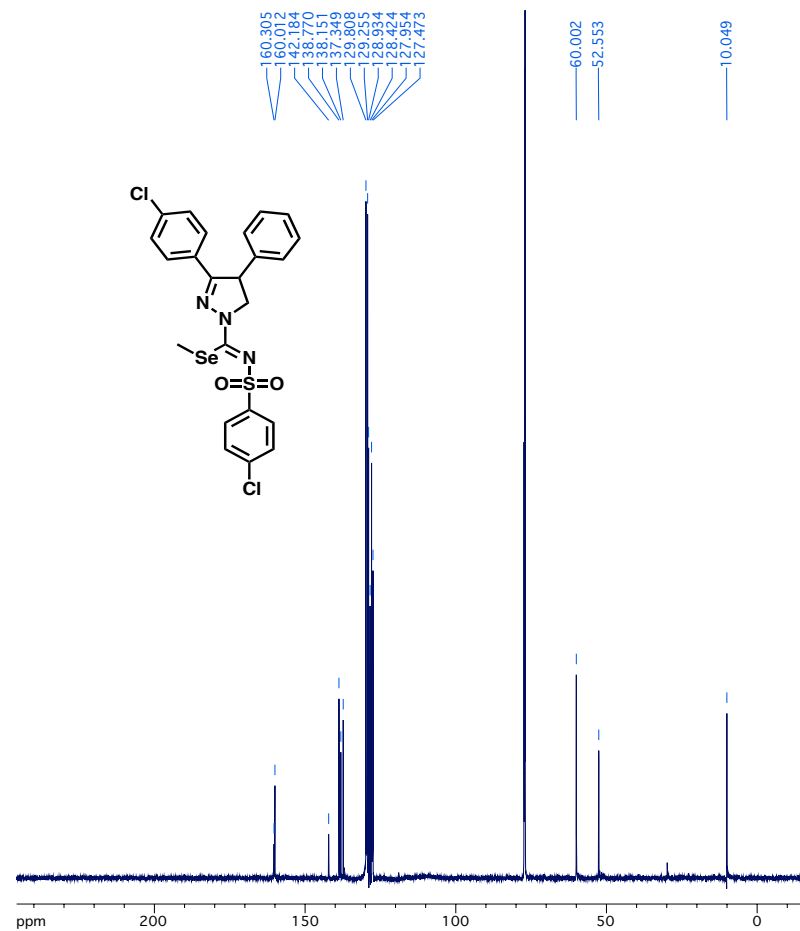
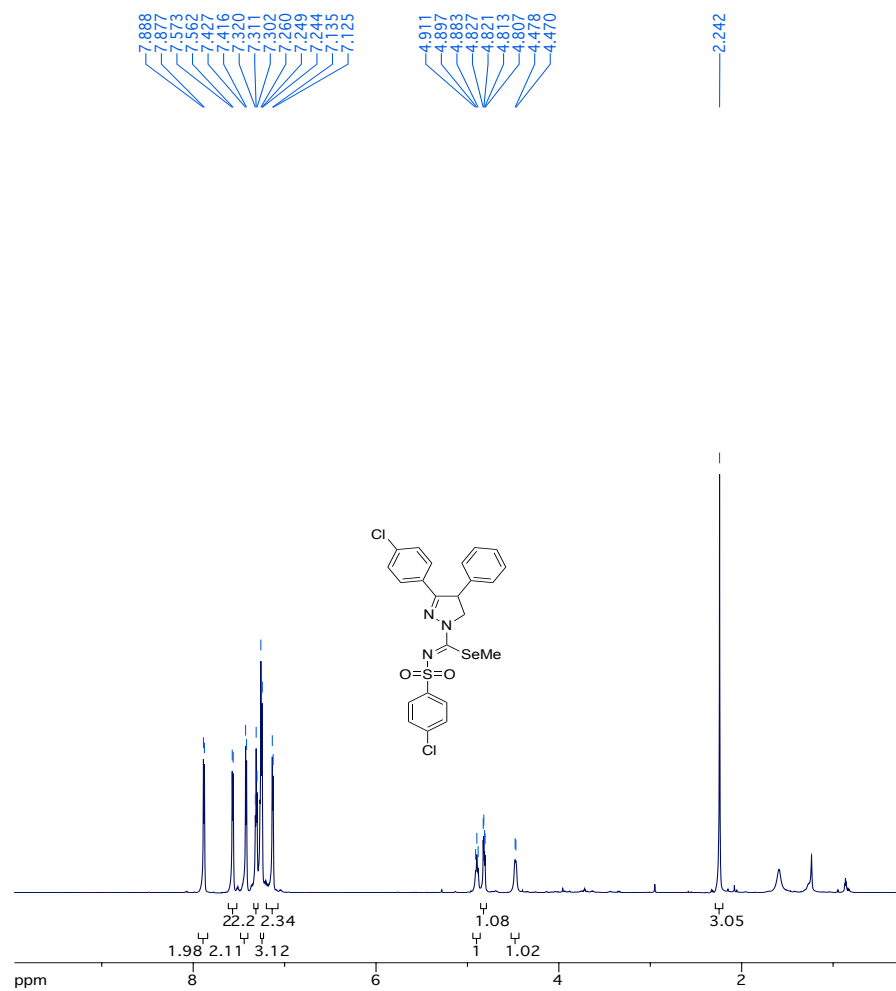
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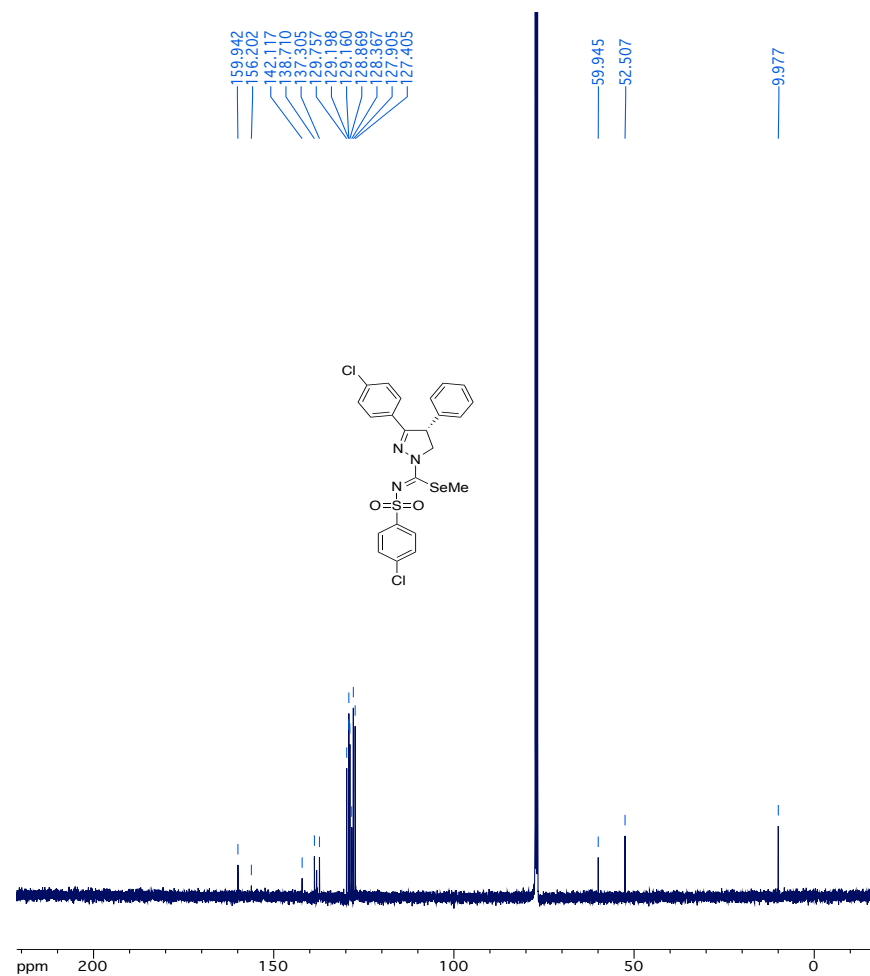
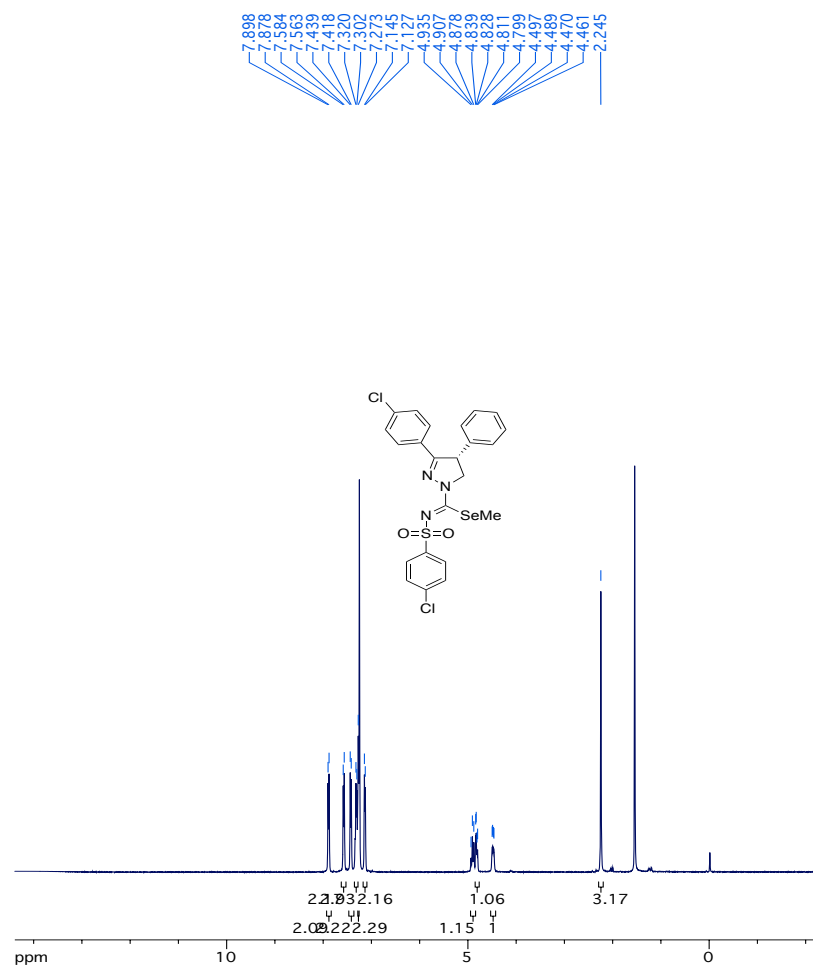
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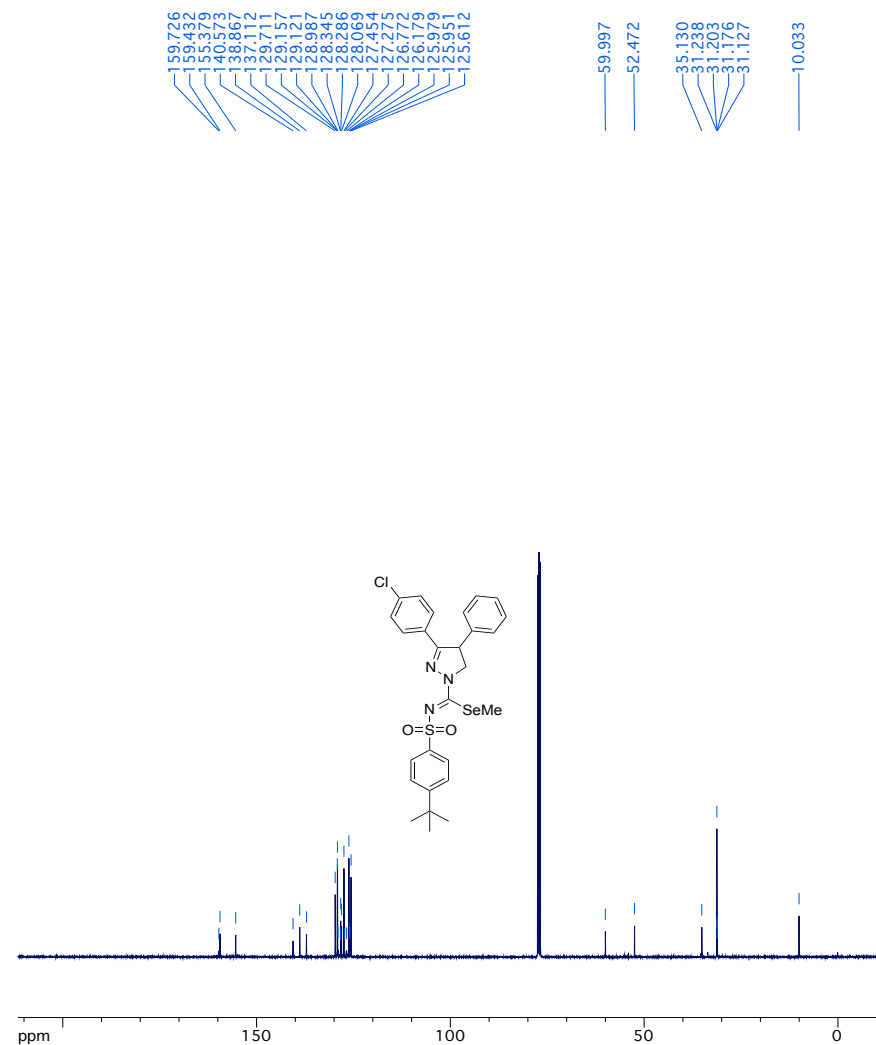
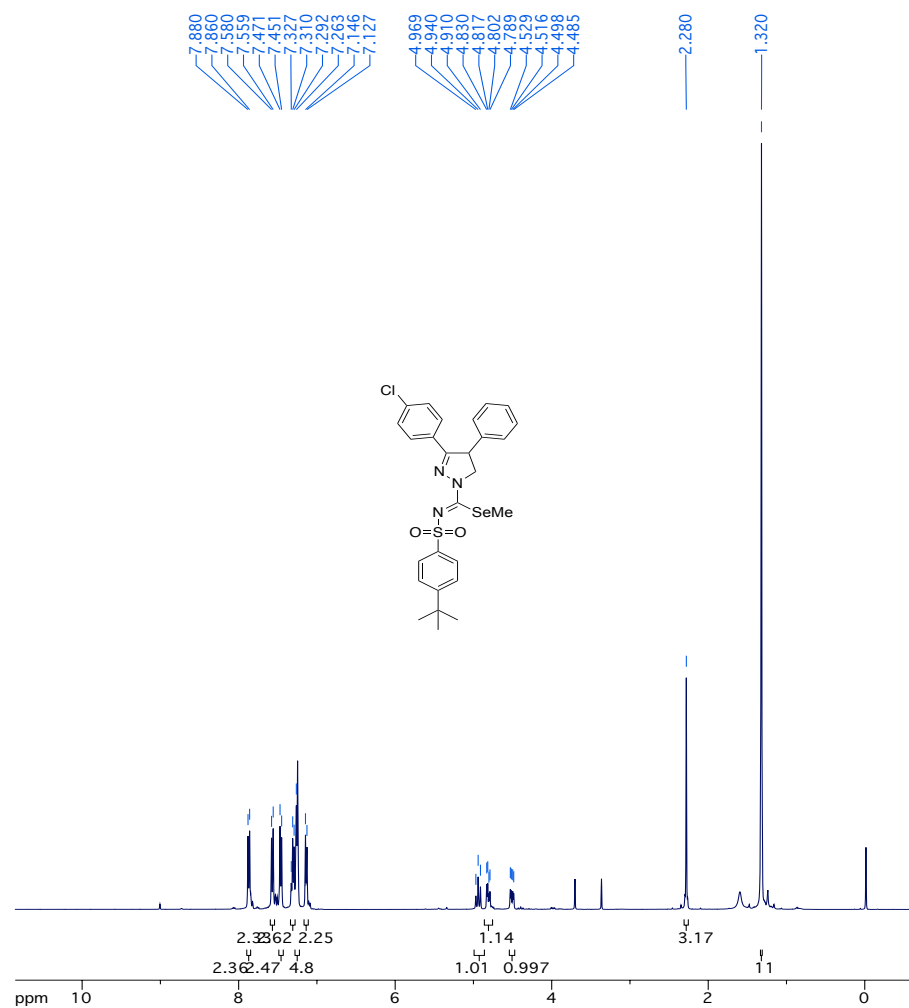
¹HNMR and ¹³CNMR of **4f**



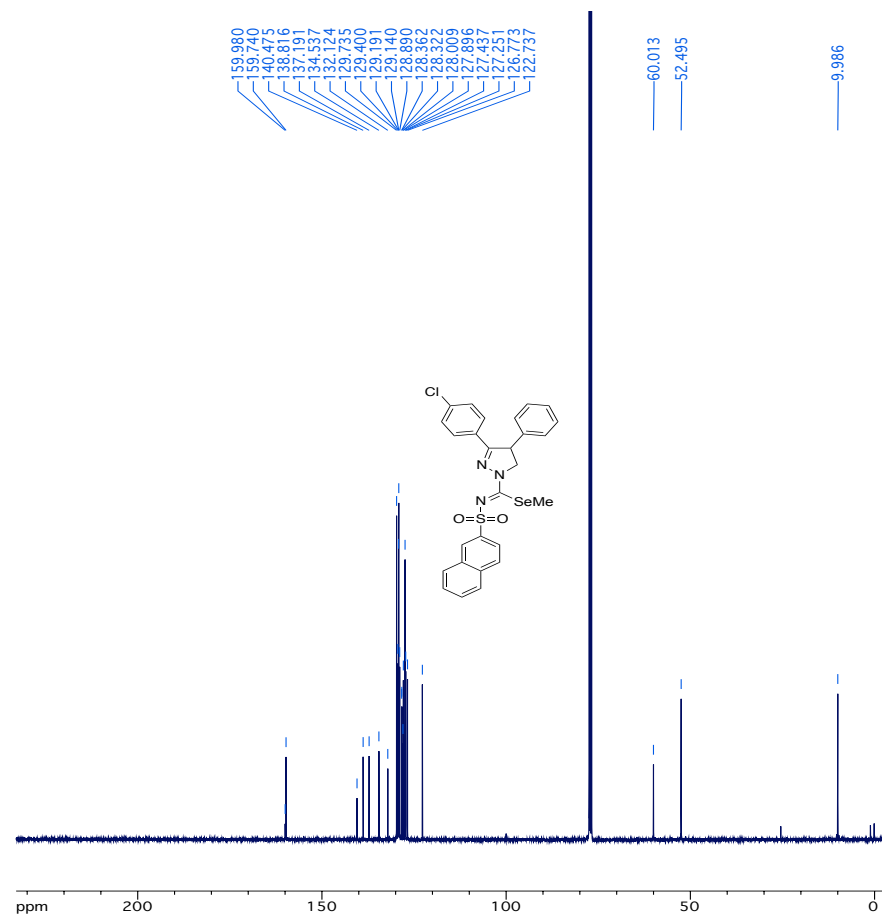
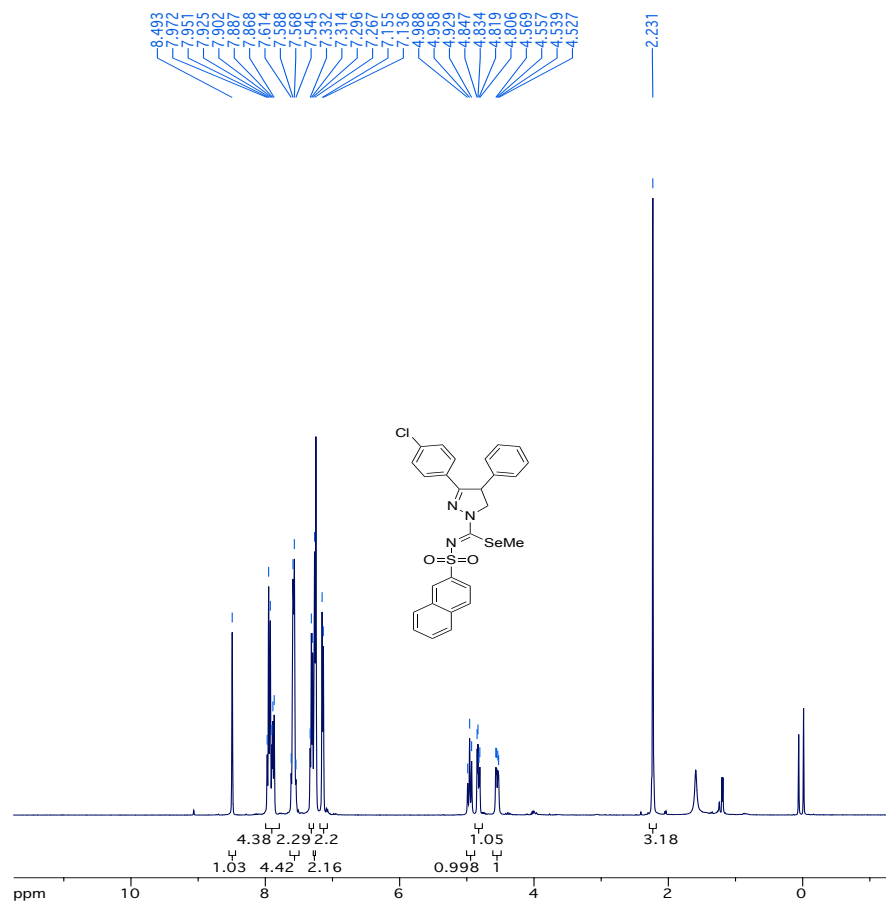
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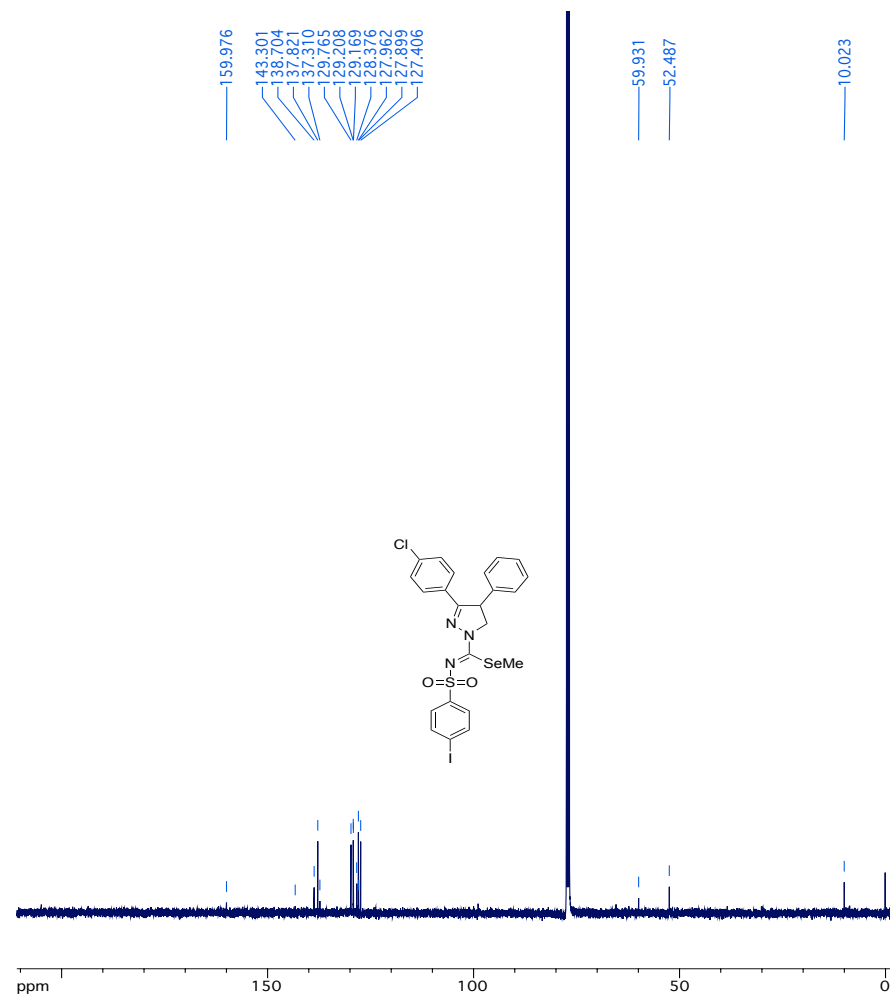
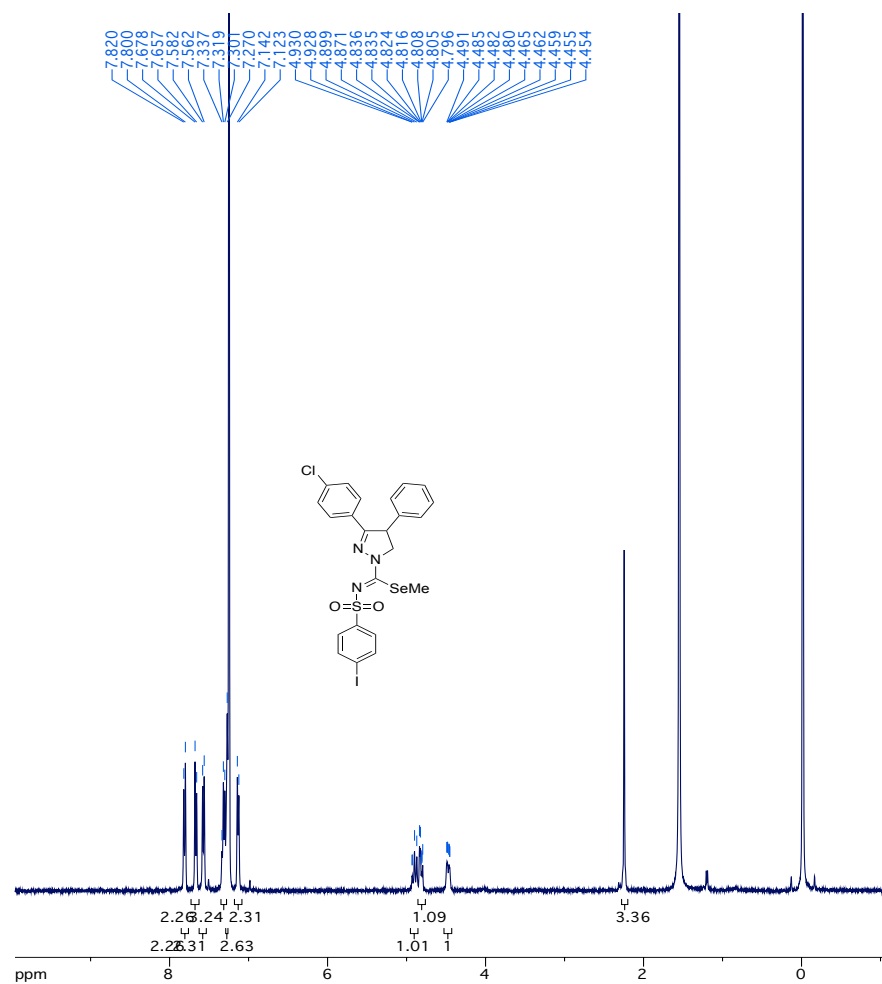
¹HNMR and ¹³CNMR of **4i**



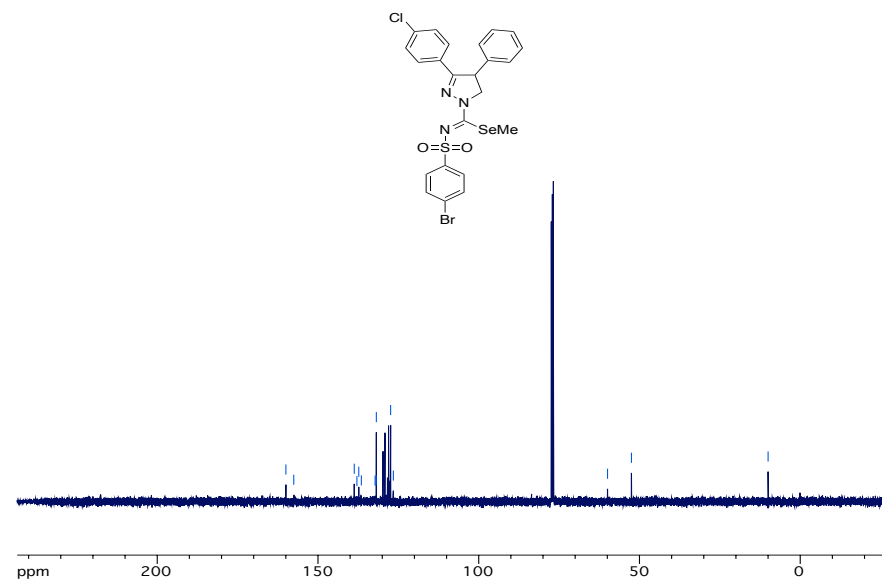
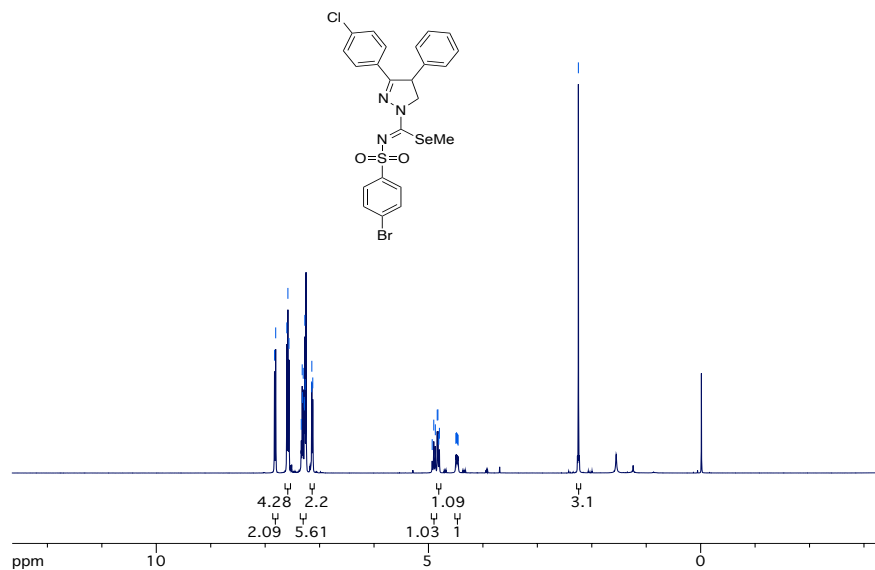
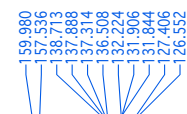
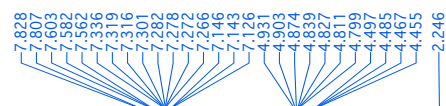
¹HNMR and ¹³CNMR of **4j**



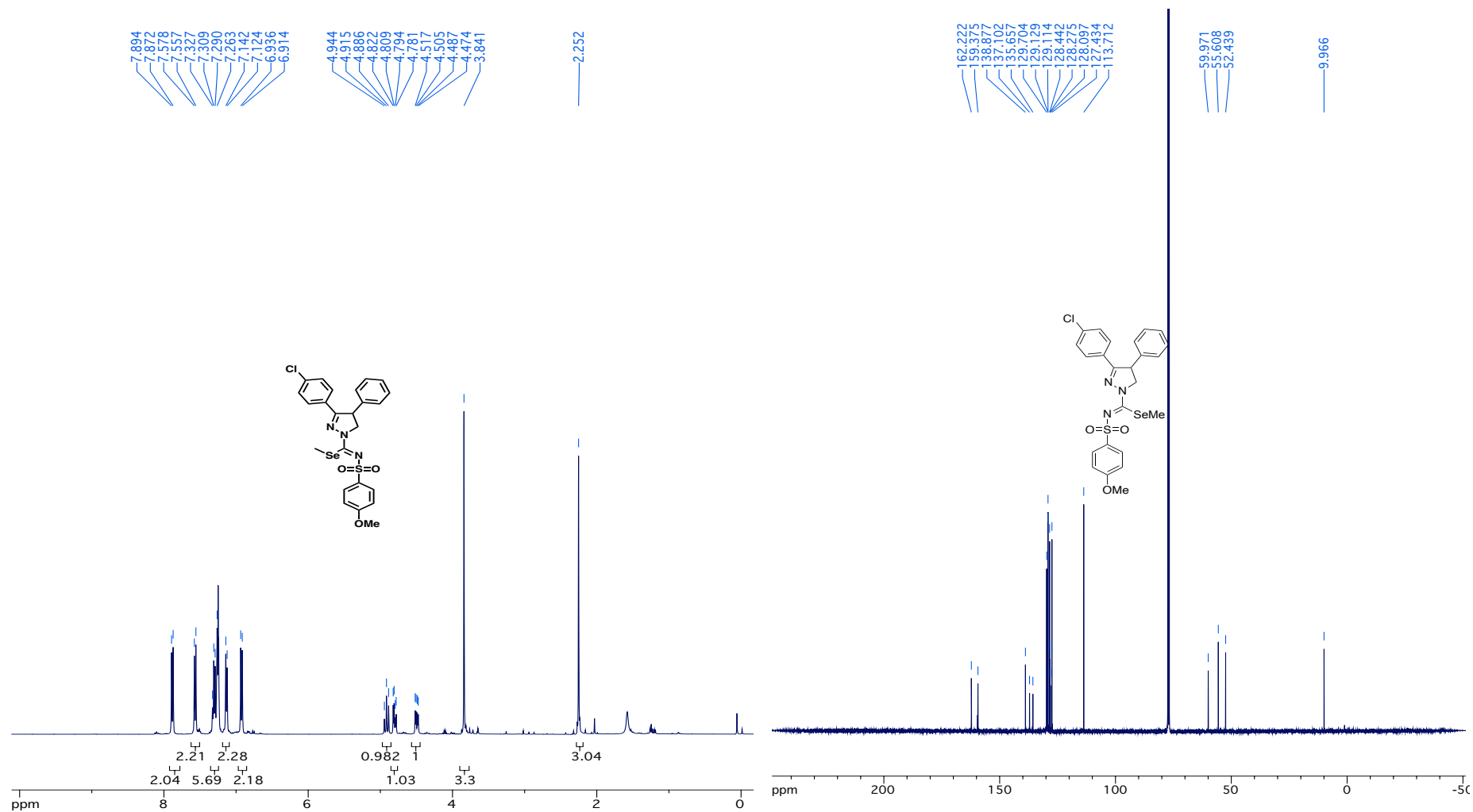
¹HNMR and ¹³CNMR of **4k**



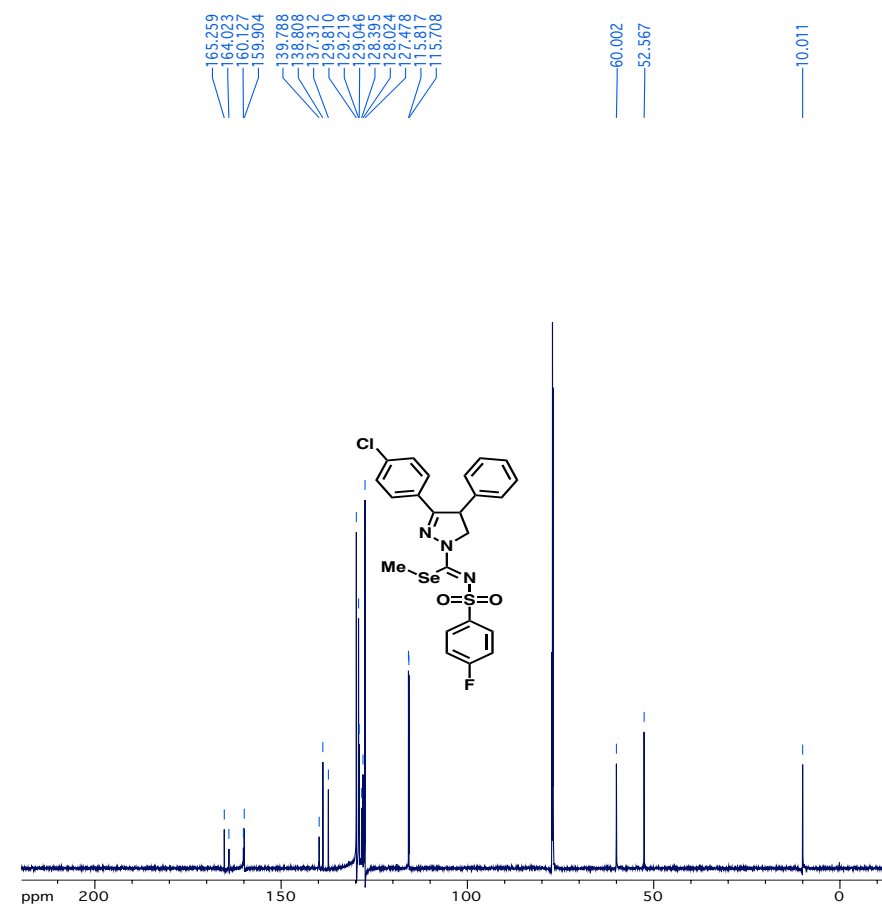
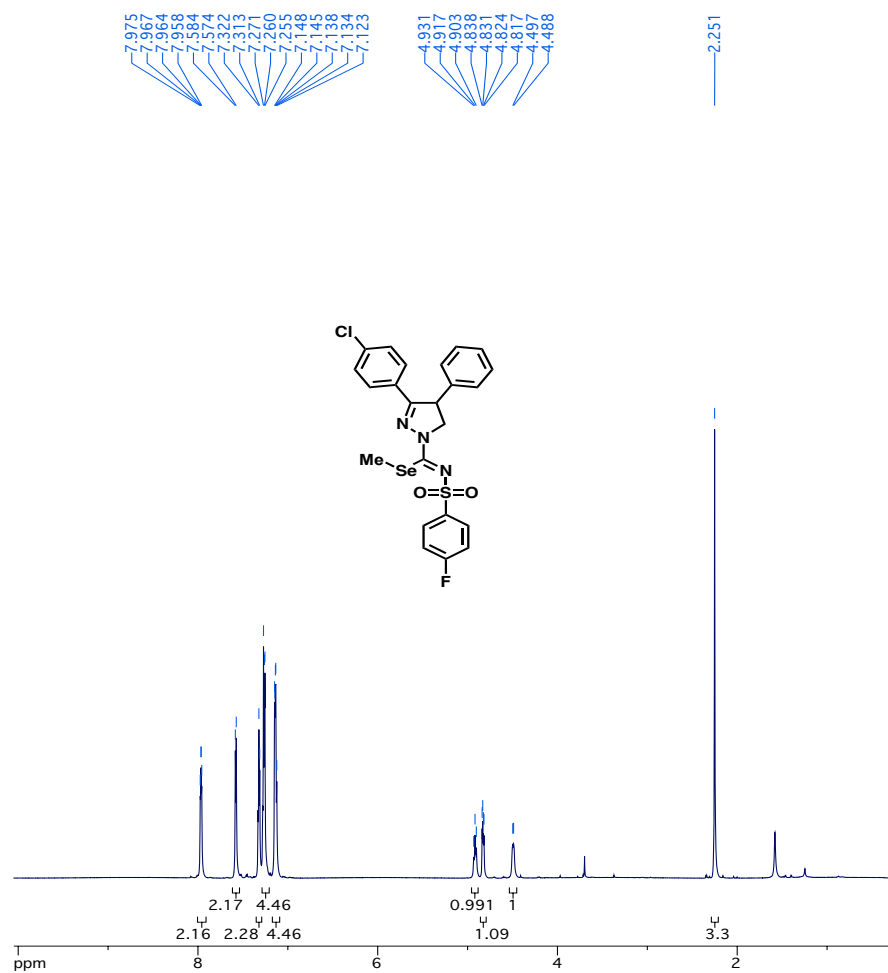
¹HNMR and ¹³CNMR of **4l**



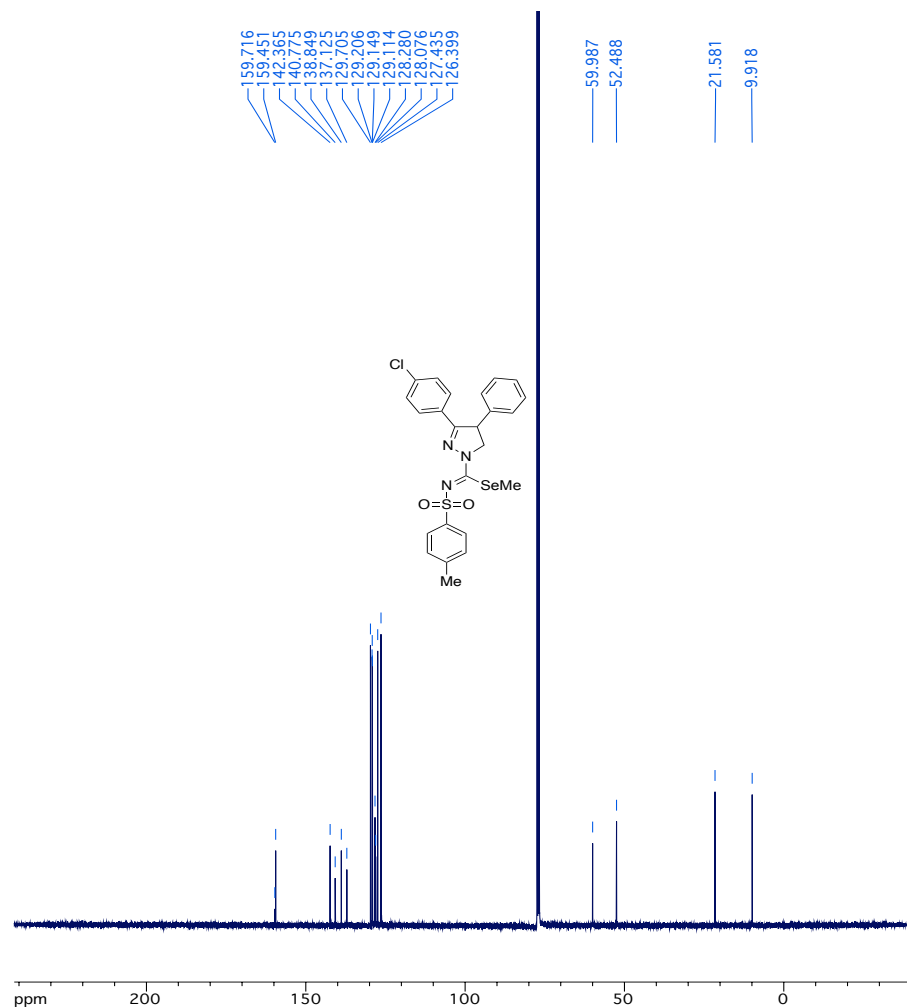
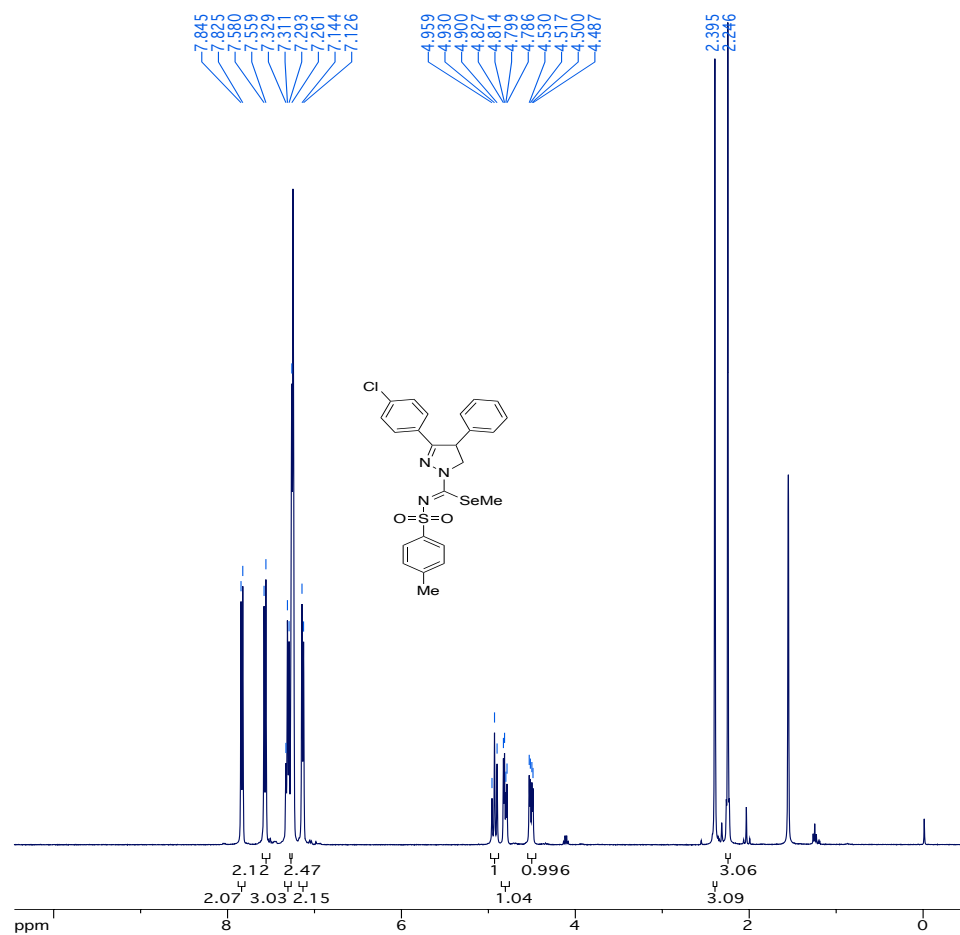
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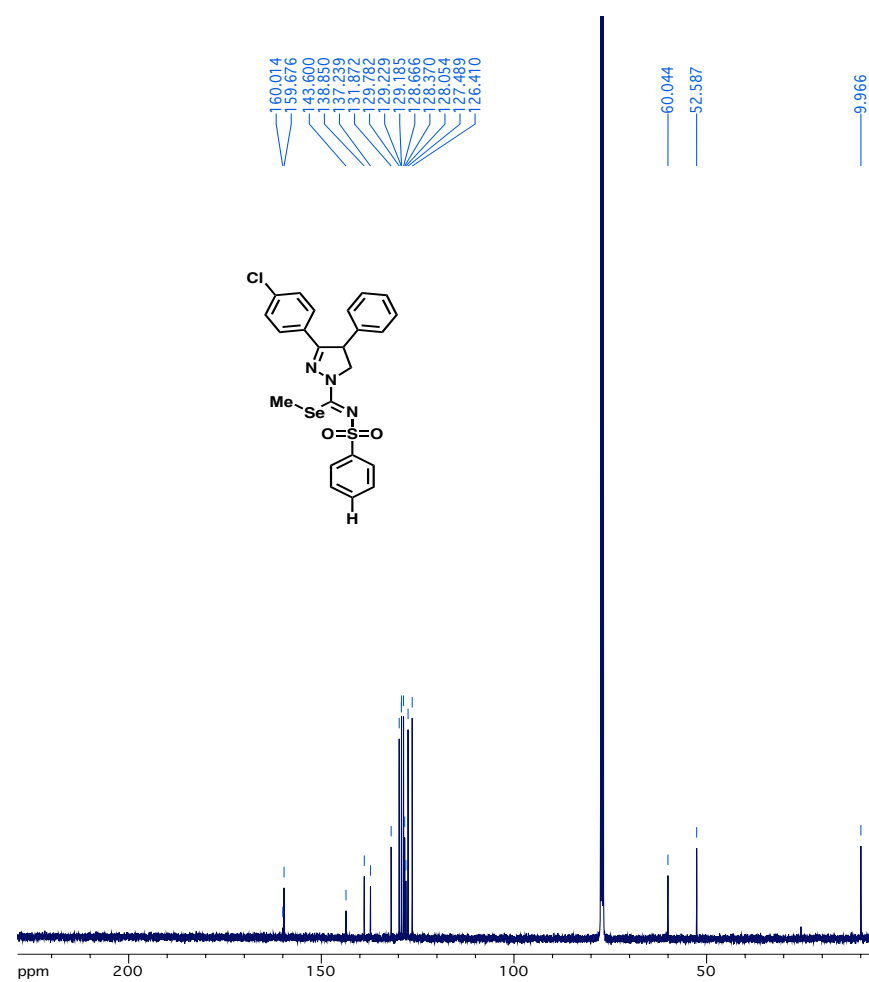
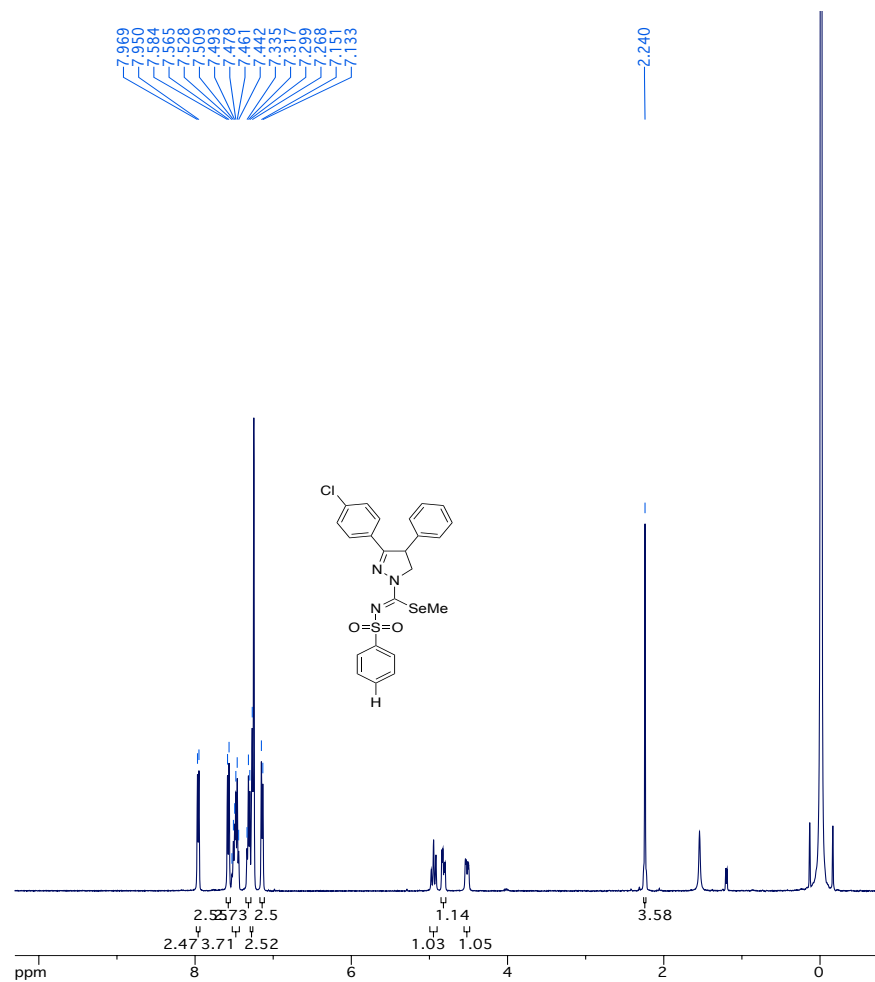
¹HNMR and ¹³CNMR of **4n**



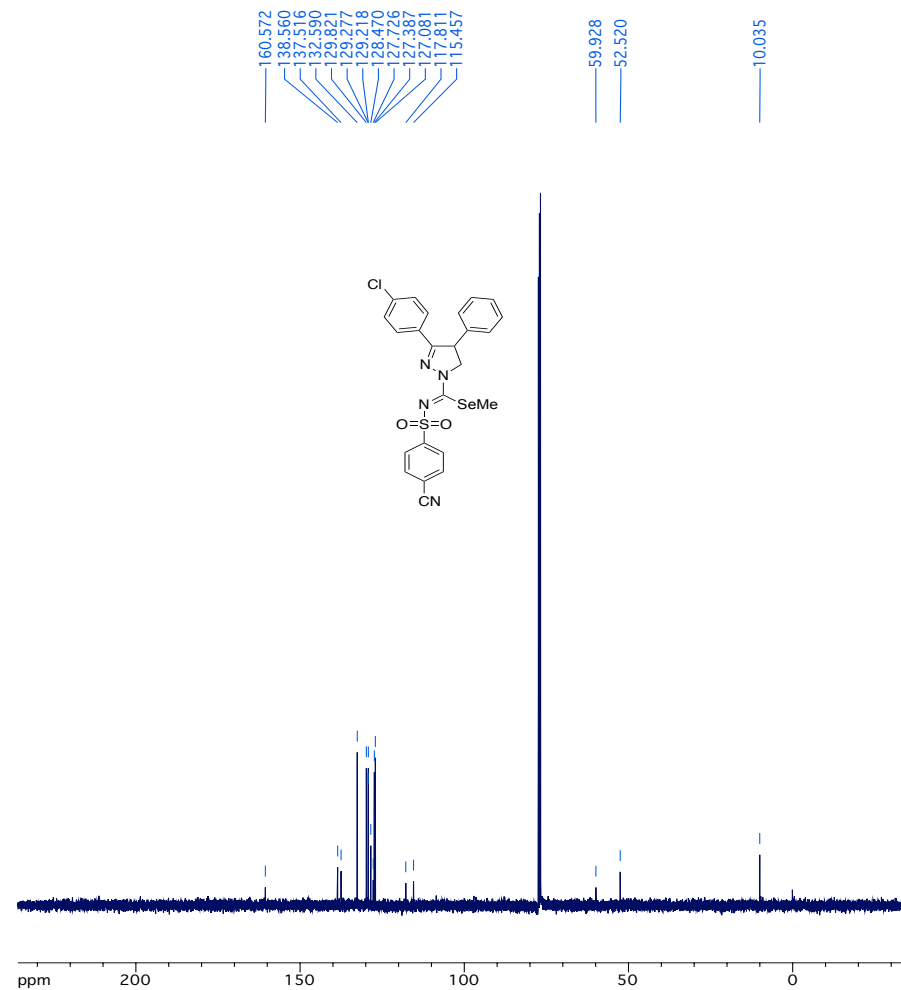
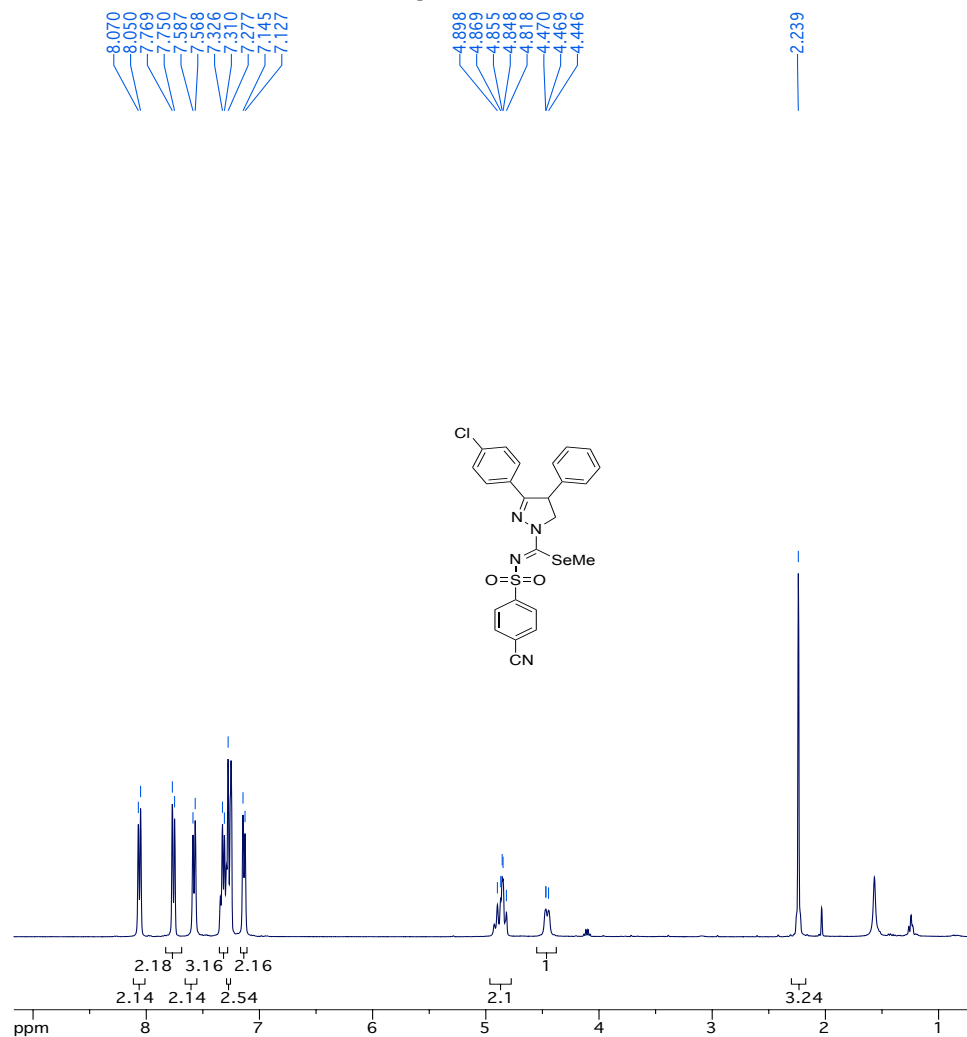
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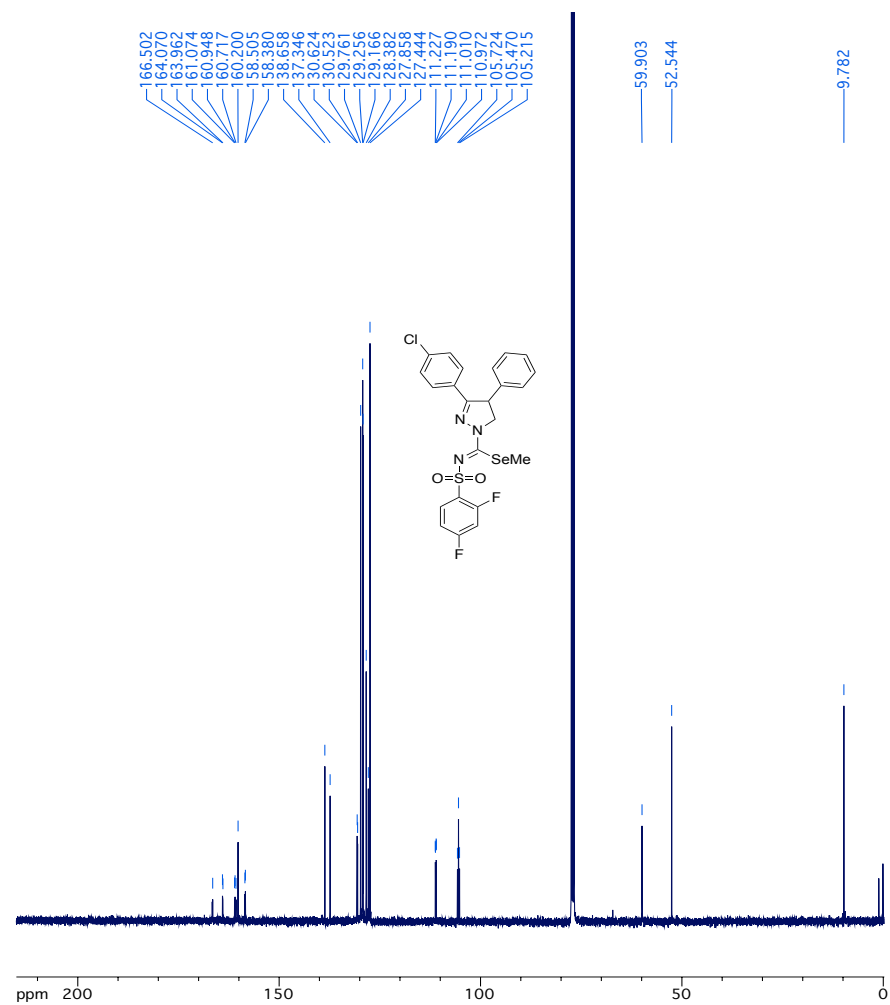
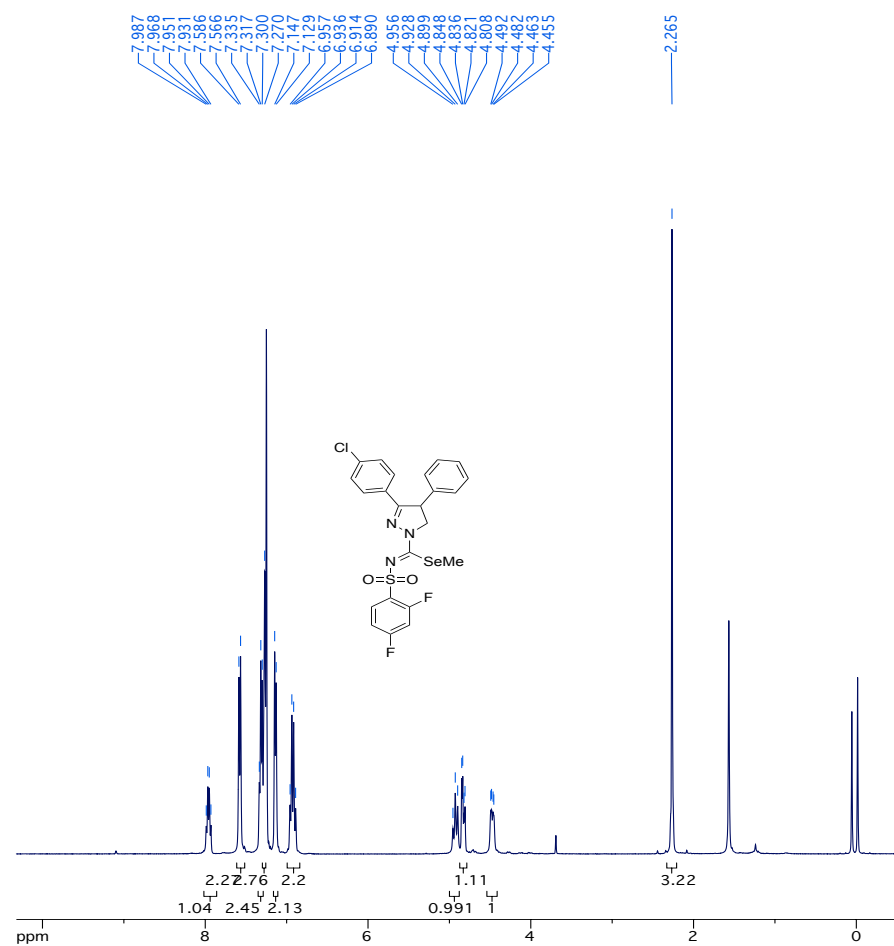
¹HNMR and ¹³CNMR of 4p



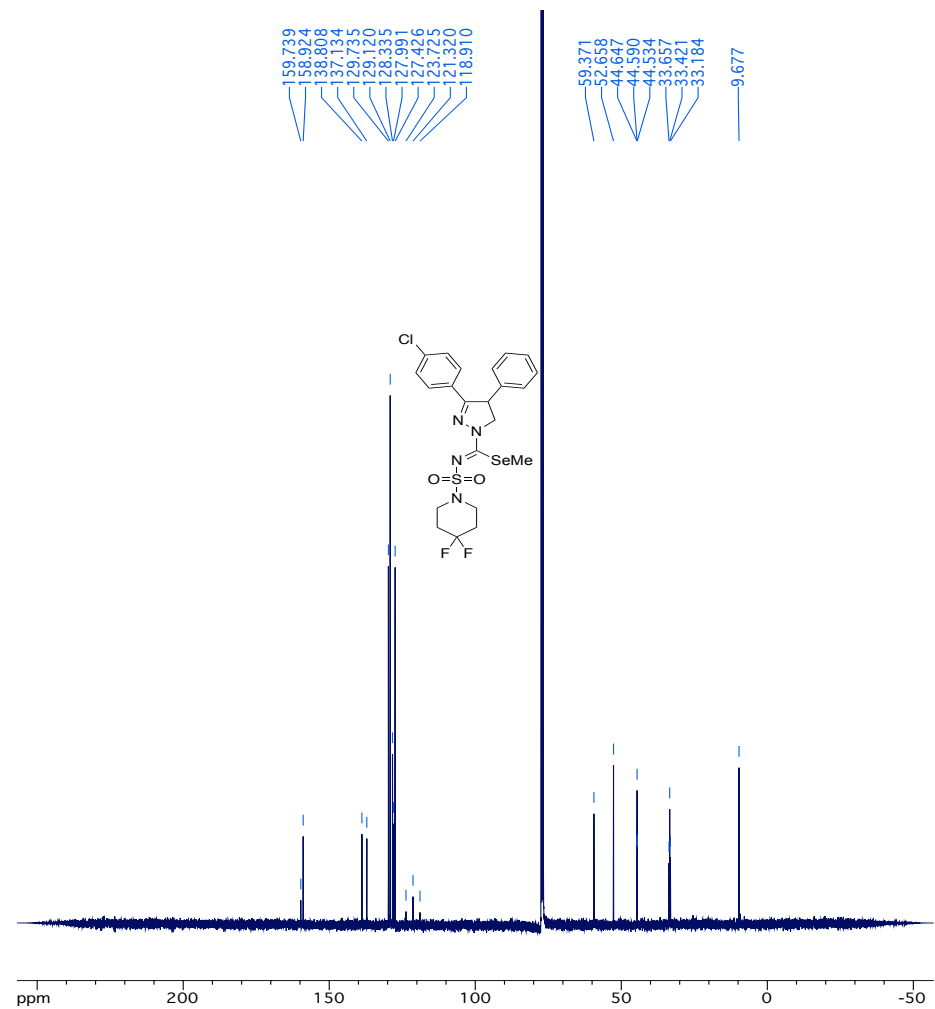
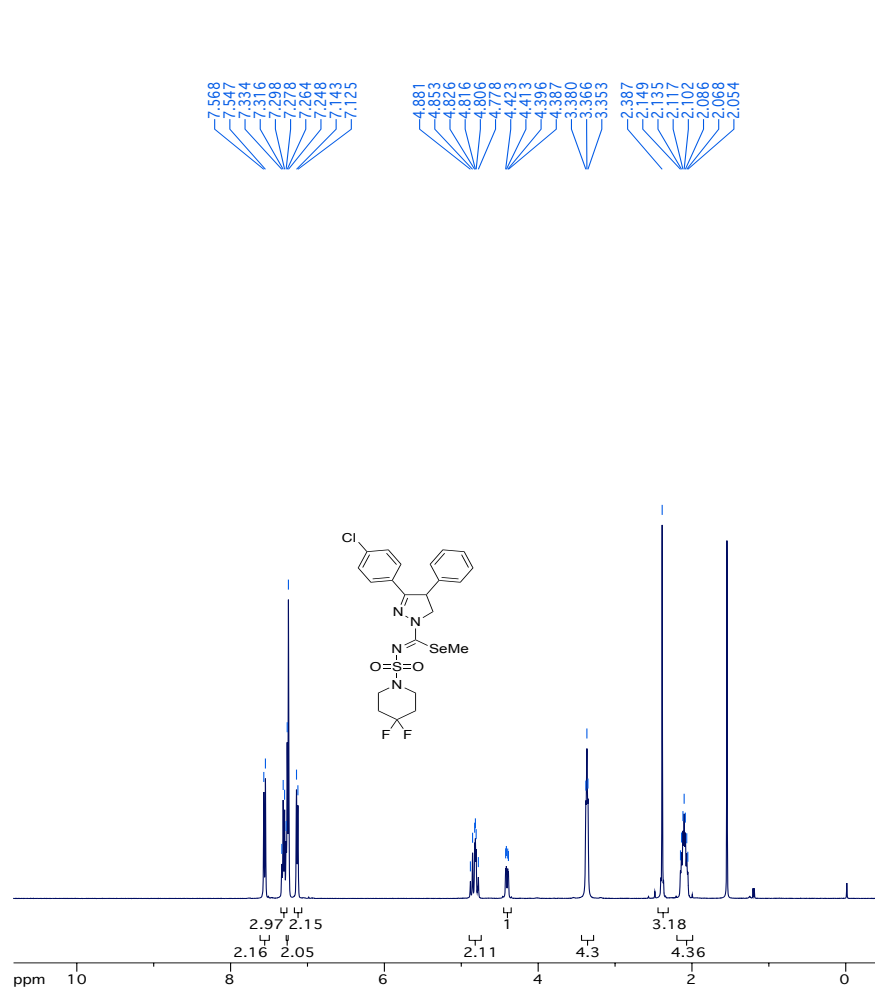
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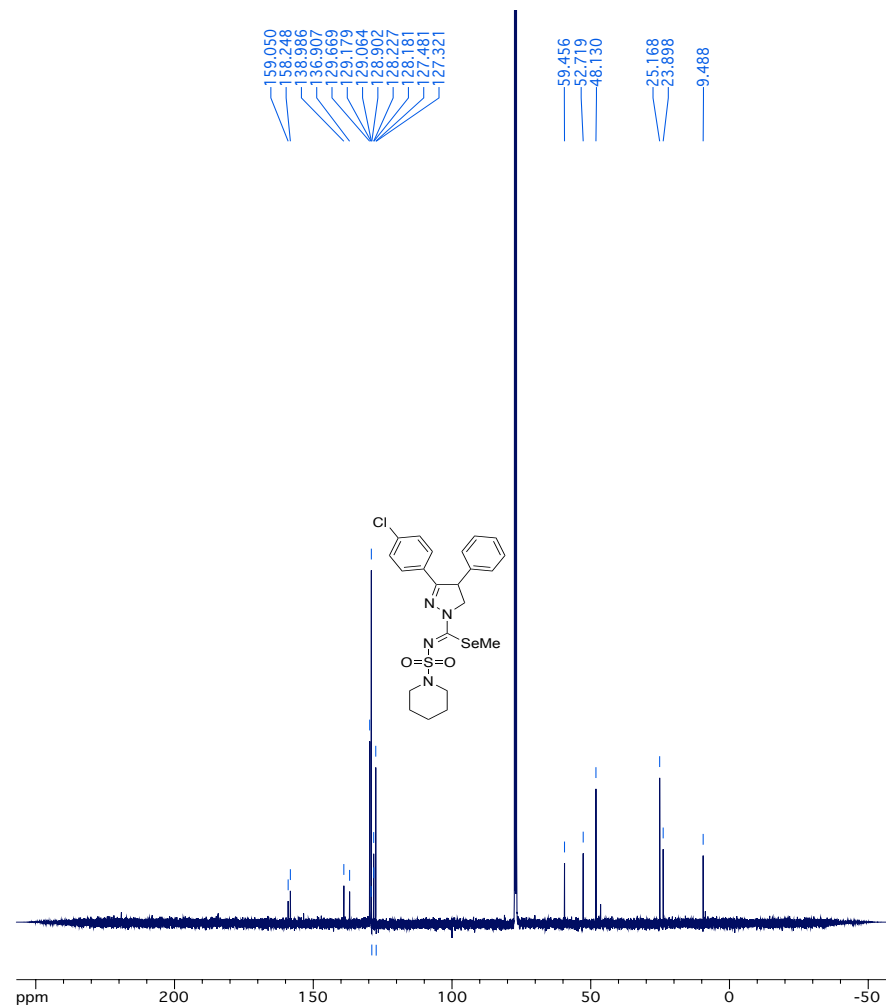
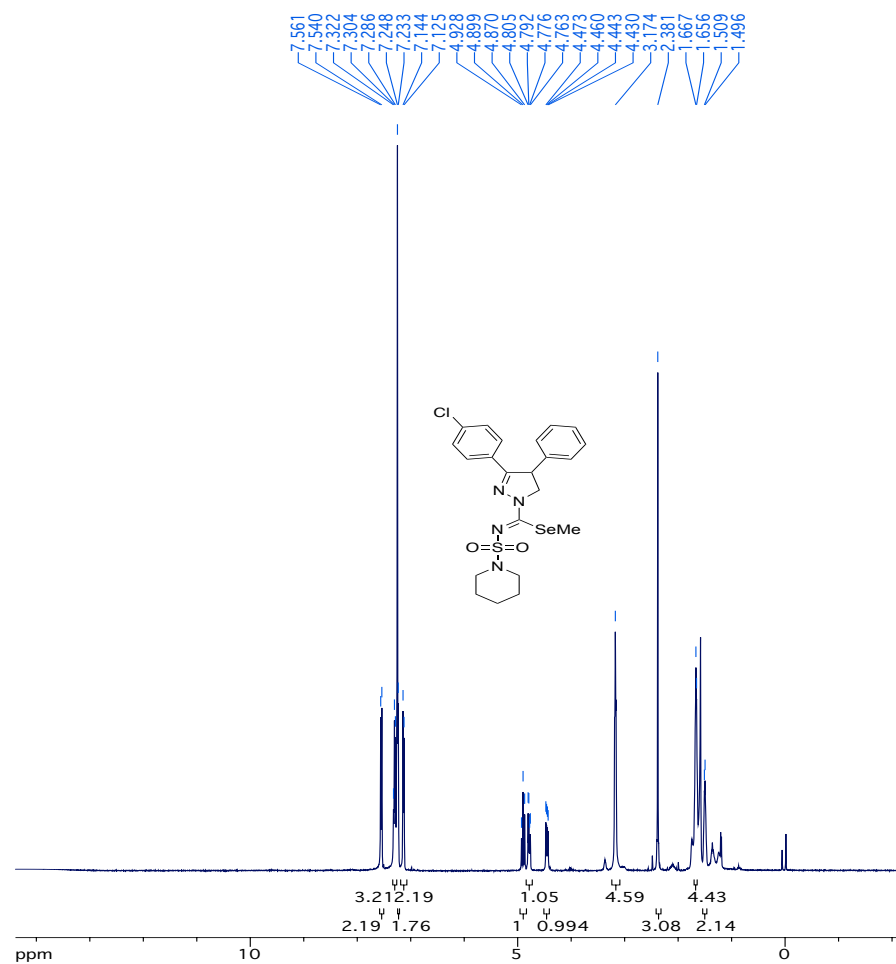
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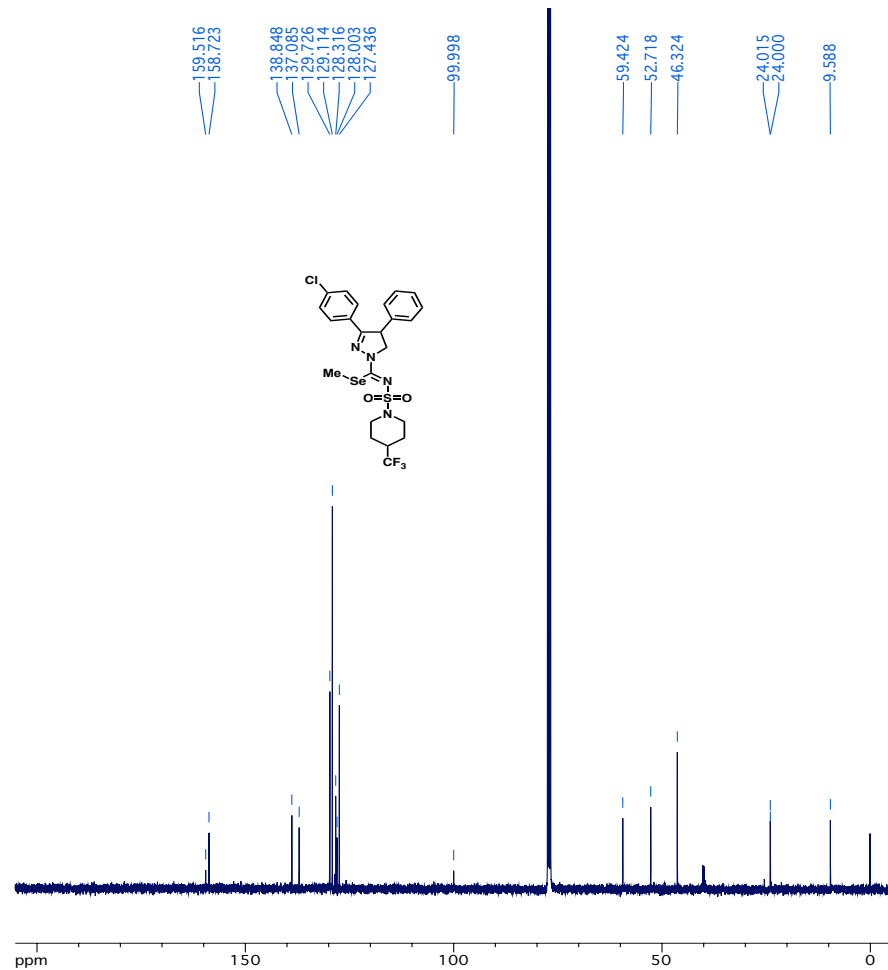
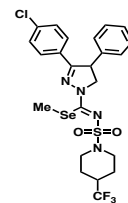
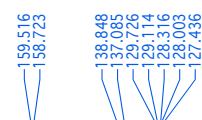
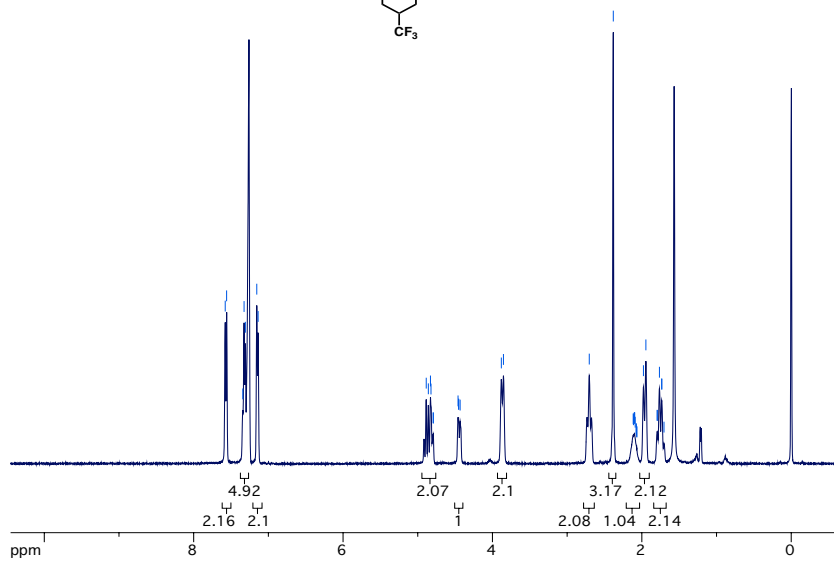
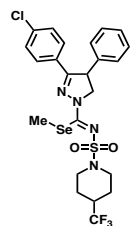
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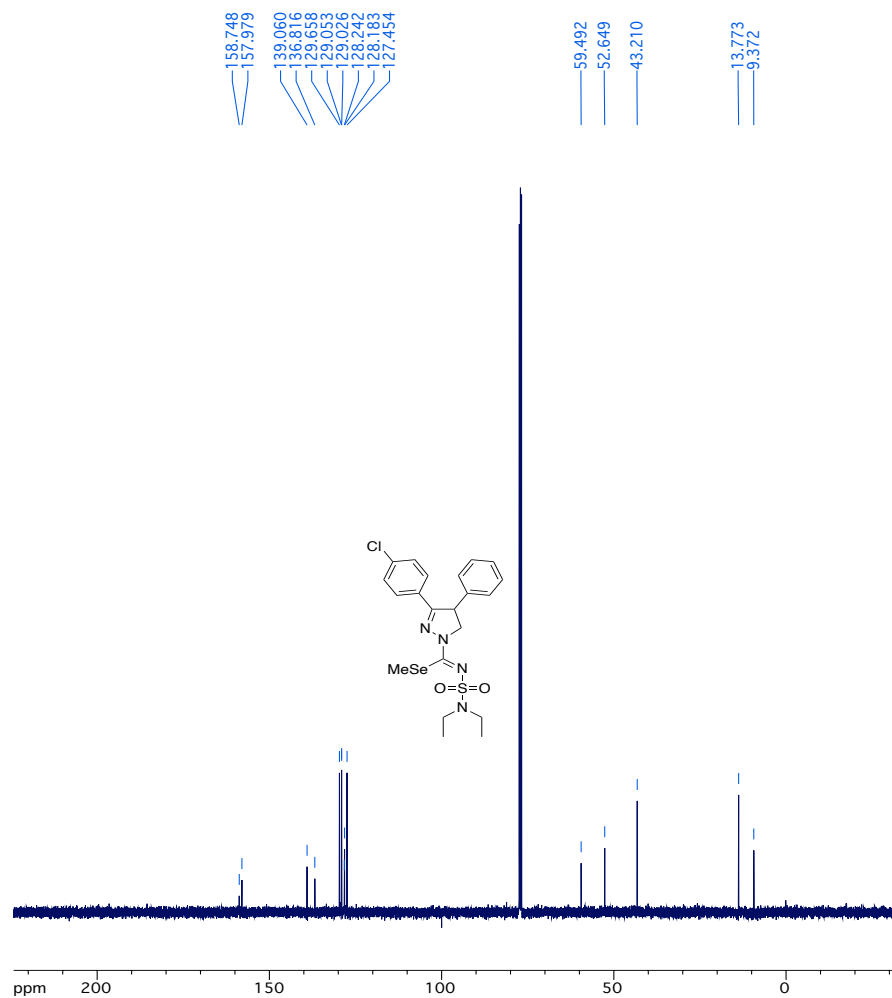
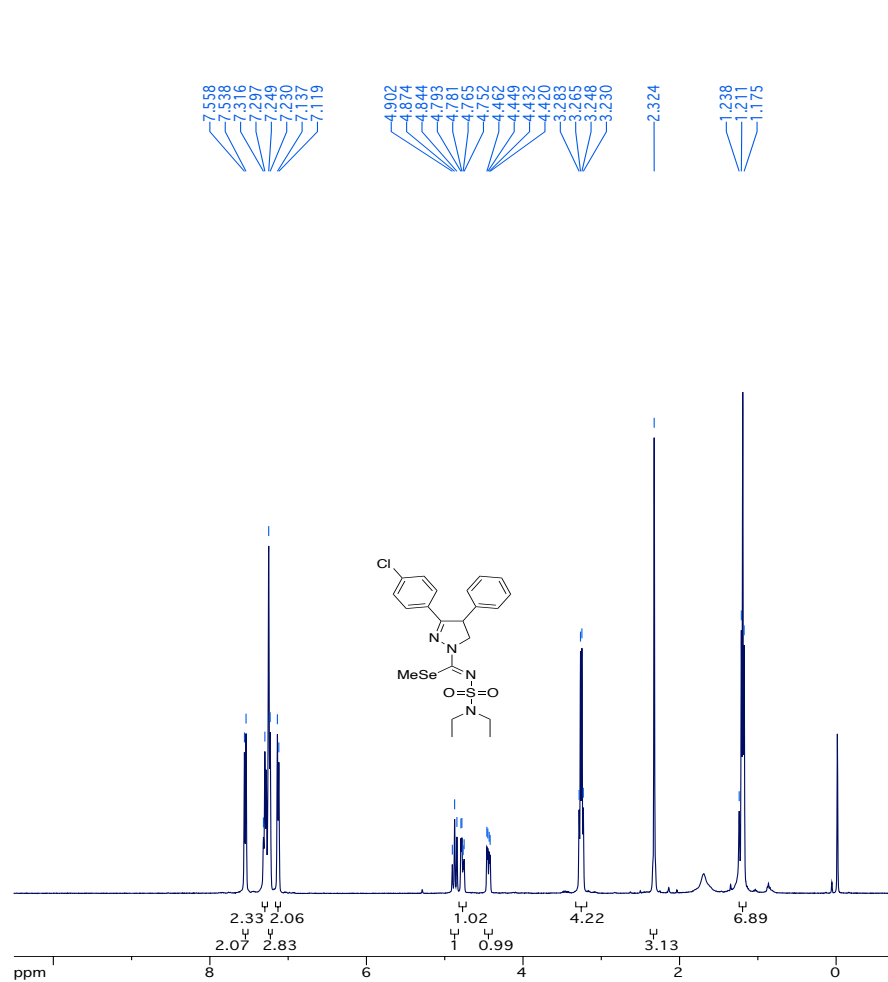
¹HNMR and ¹³CNMR of **4t**



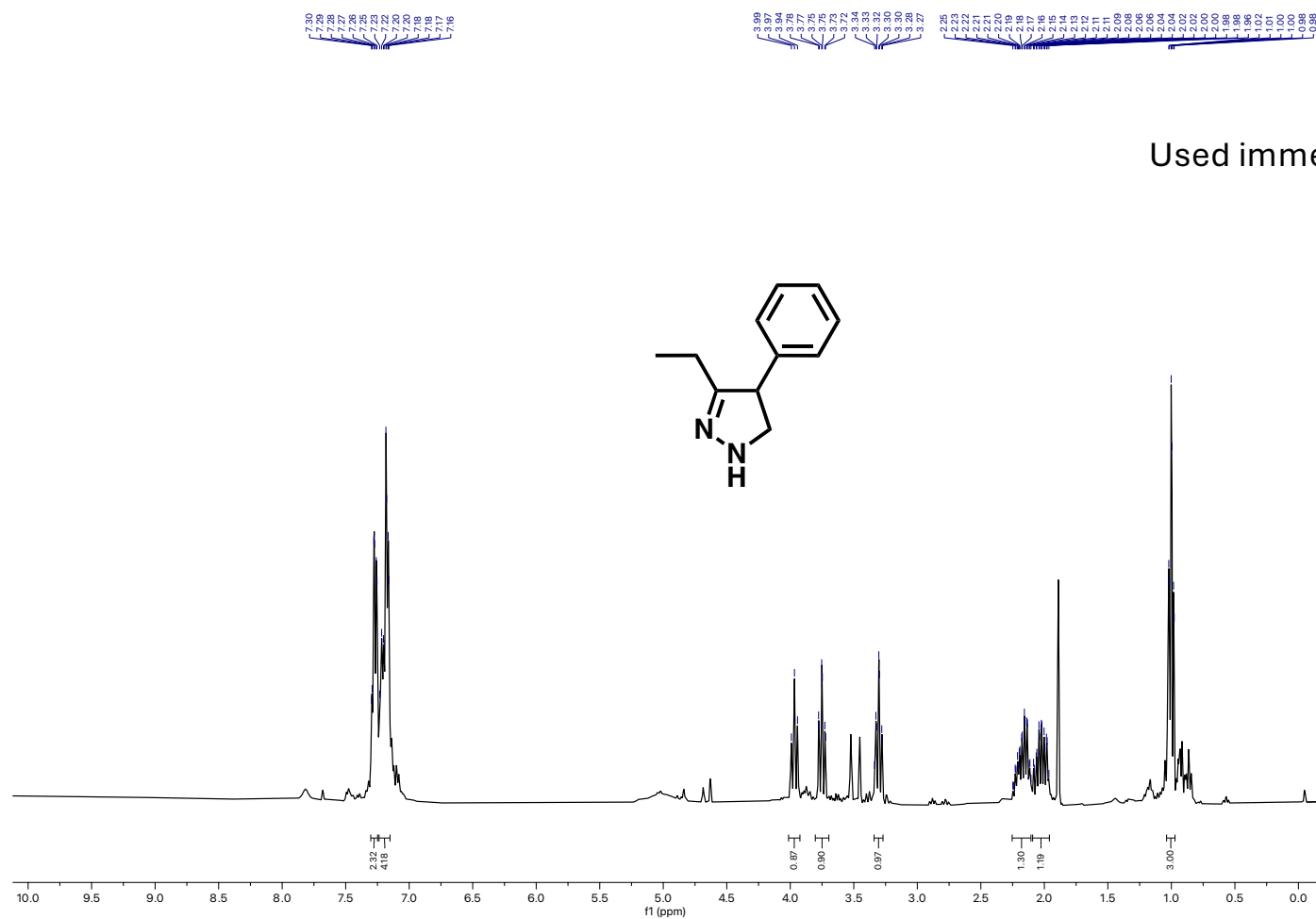
¹HNMR and ¹³CNMR of **4u**



¹HNMR and ¹³CNMR of **4v**

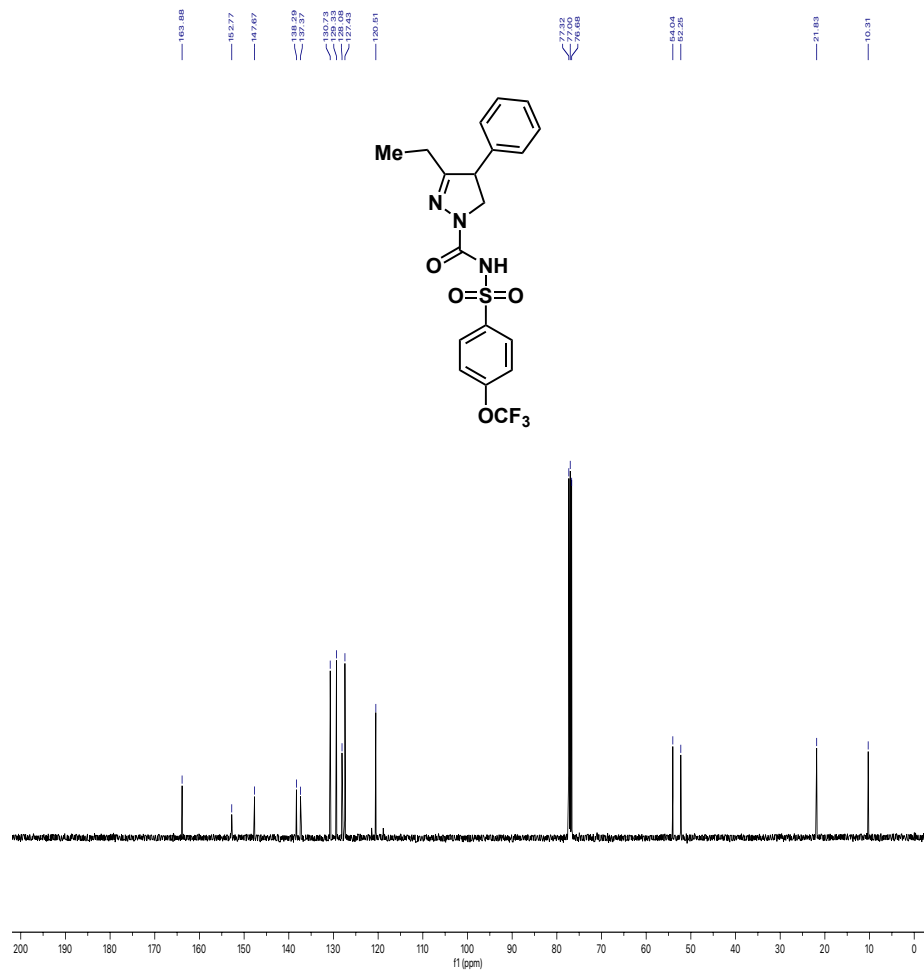
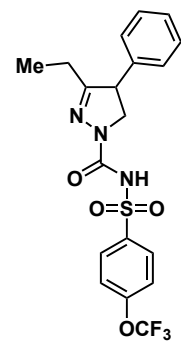
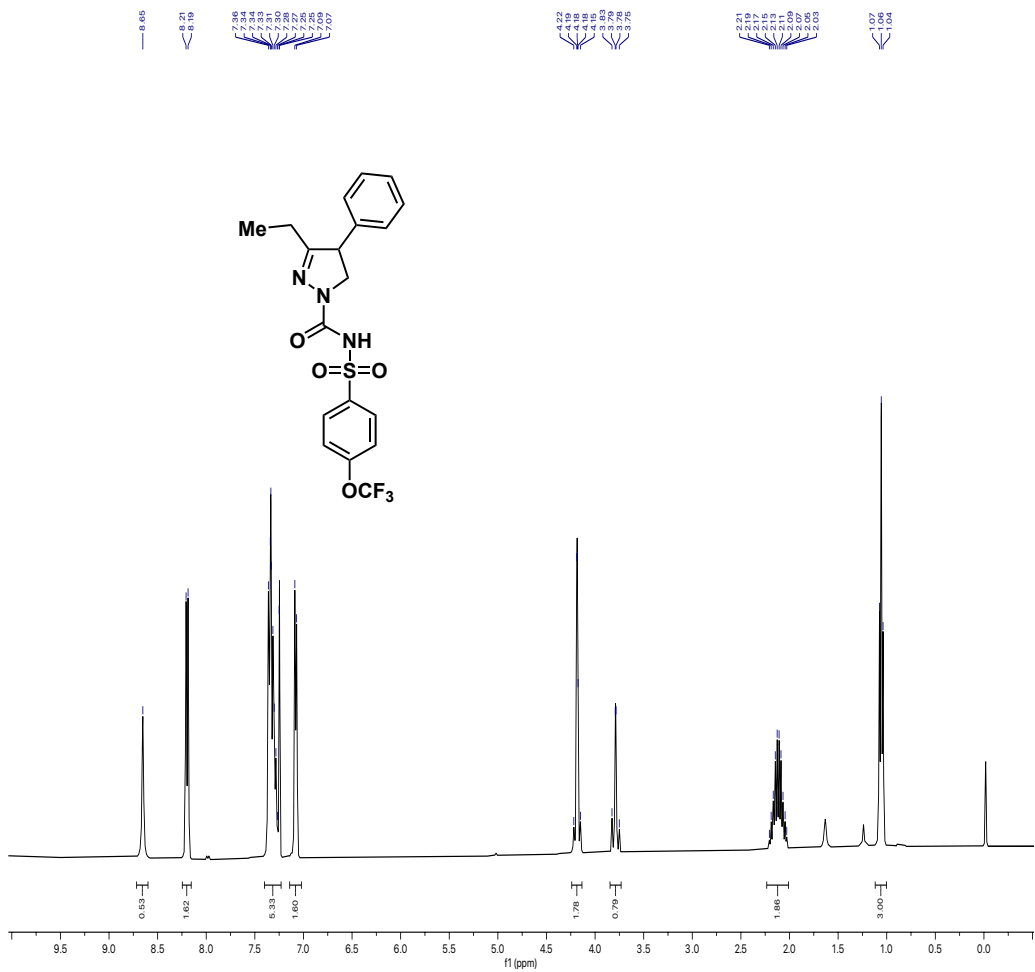
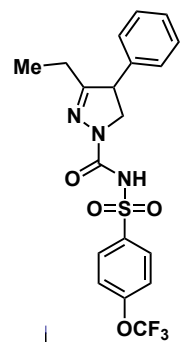


¹HNMR of **5**

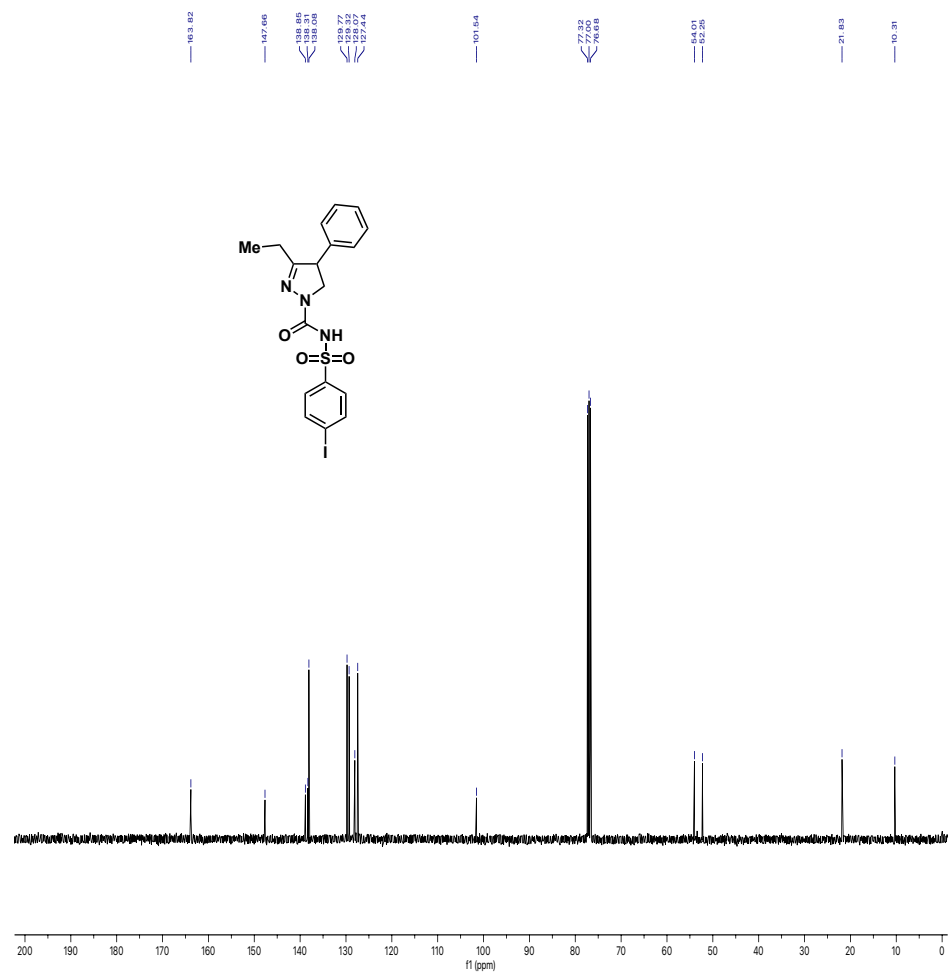
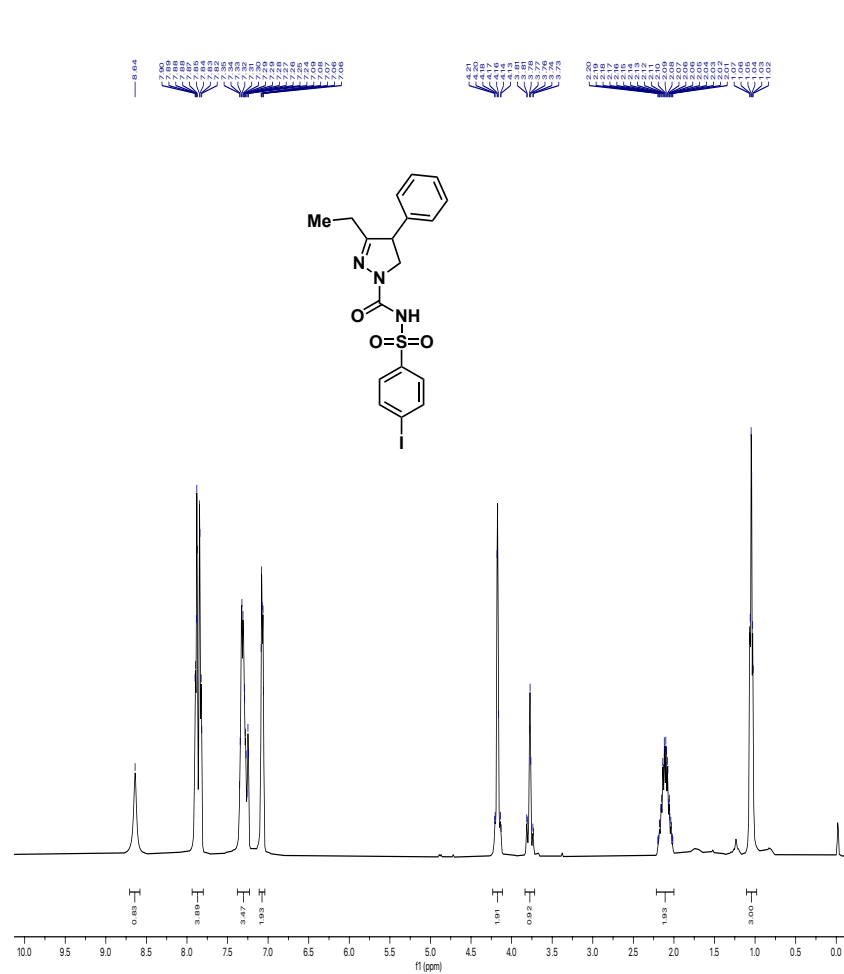


Used immediately after synthesis

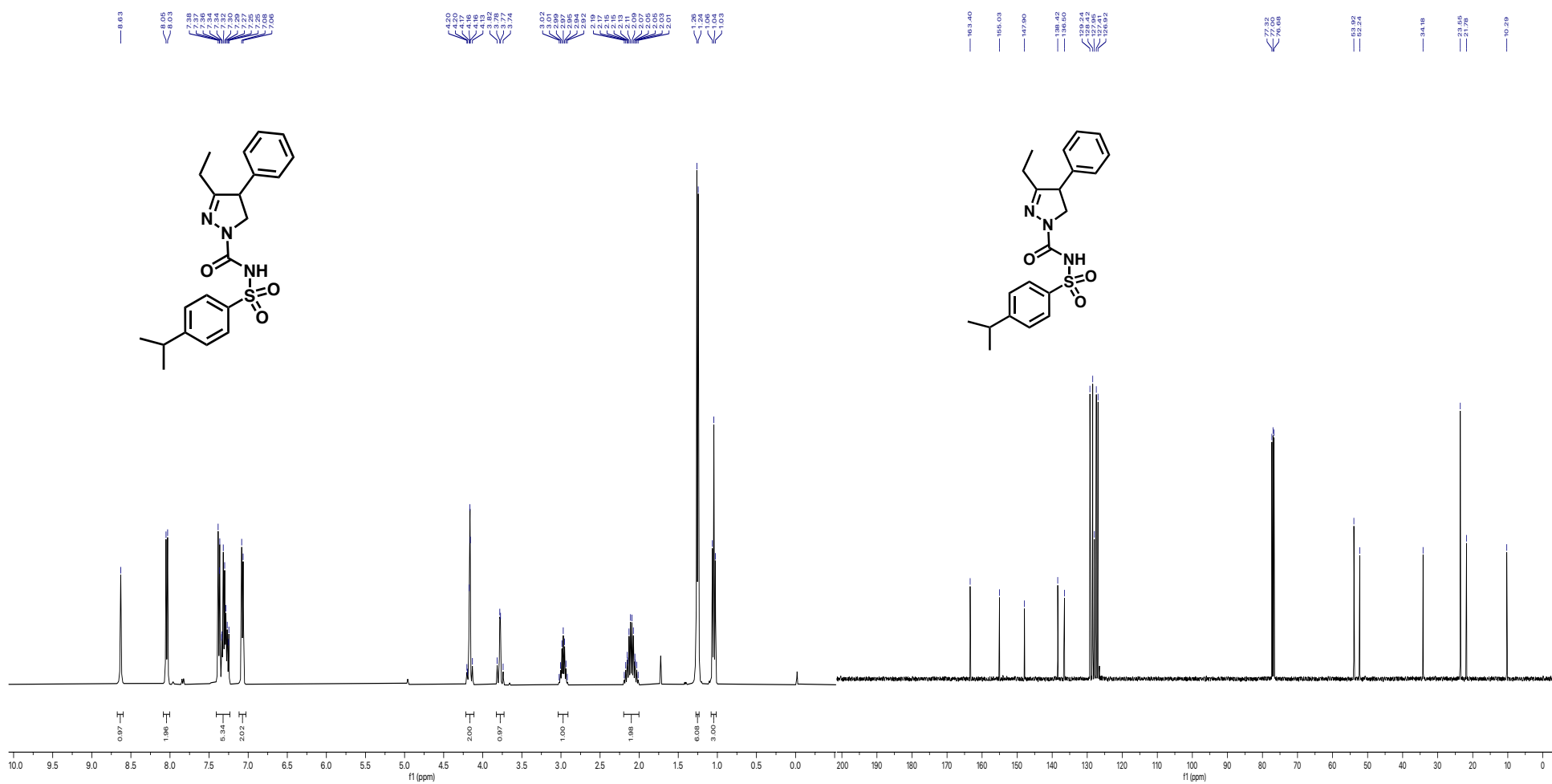
¹HNMR and ¹³CNMR of **6a**

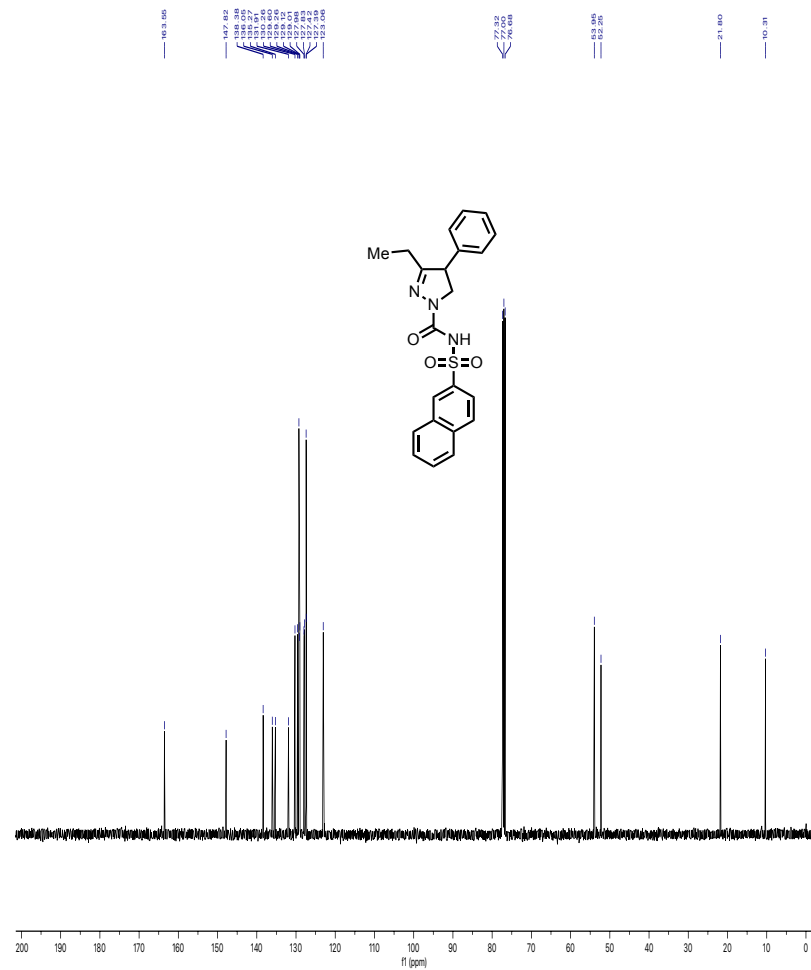
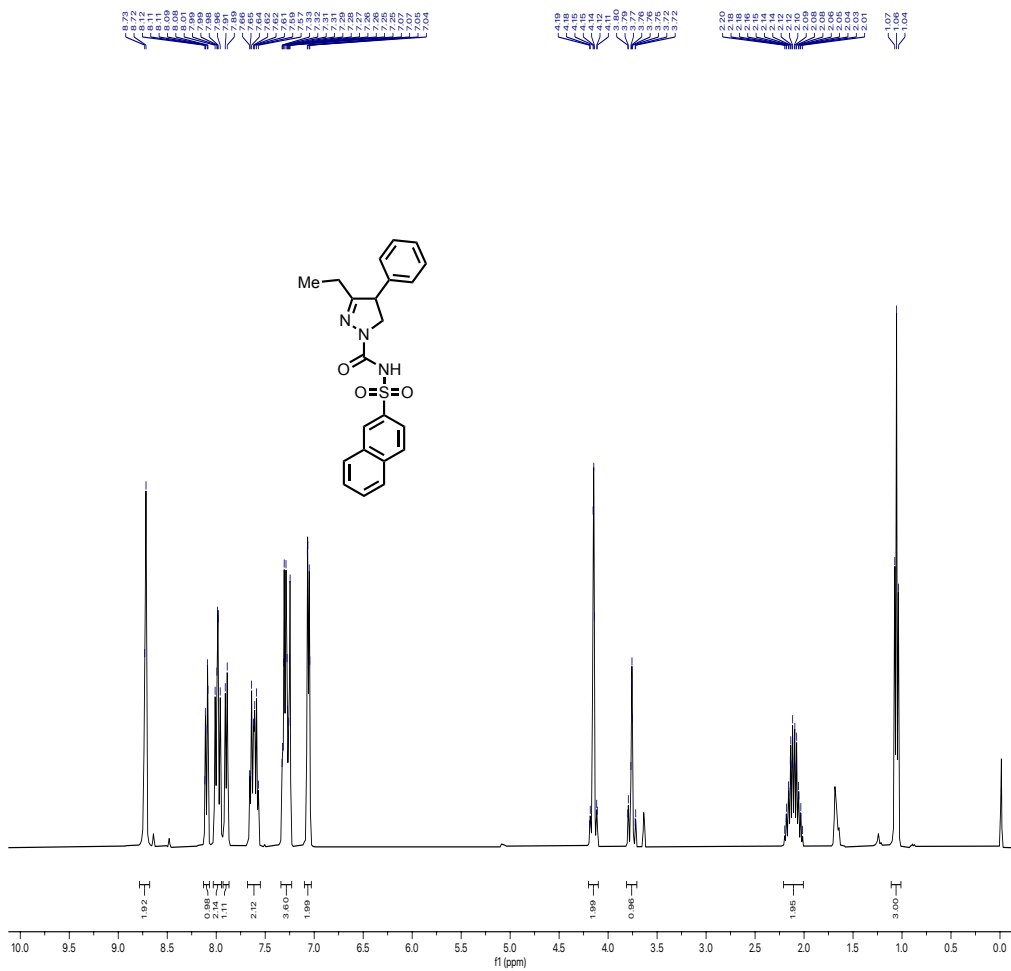


¹HNMR and ¹³CNMR of **6b**



¹HNMR and ¹³CNMR of **6c**



^1H NMR and ^{13}C NMR of **6d**

¹HNMR and ¹³CNMR of **7a**

8.01
7.98
7.394
7.393
7.392
7.391
7.390
7.277
7.266
7.178
7.17

4.88
4.82
4.81
4.41
4.38
4.38
4.34
4.34
4.31

2.33
2.29
2.29
2.27
2.27
2.23
2.23
2.20
2.19
2.16
2.12

1.11
1.09

168.24

169.80

161.24

142.16

137.68

129.43

128.30

127.58

120.45

77.82

76.68

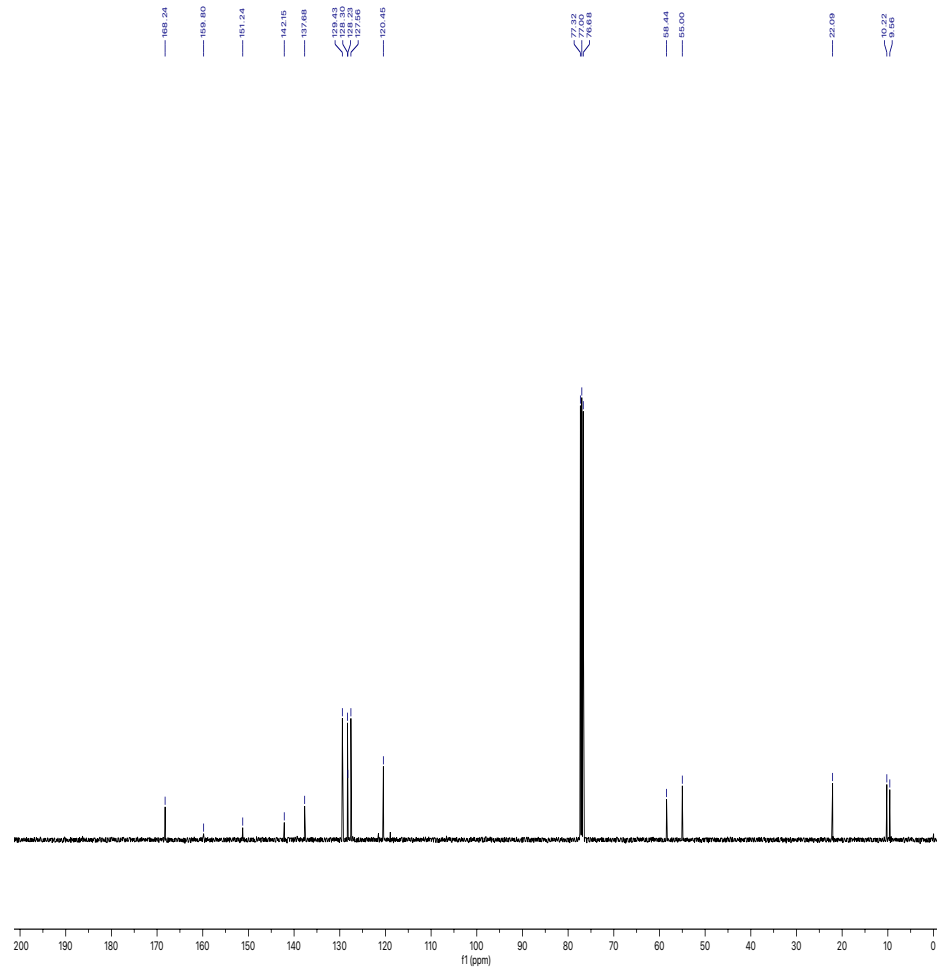
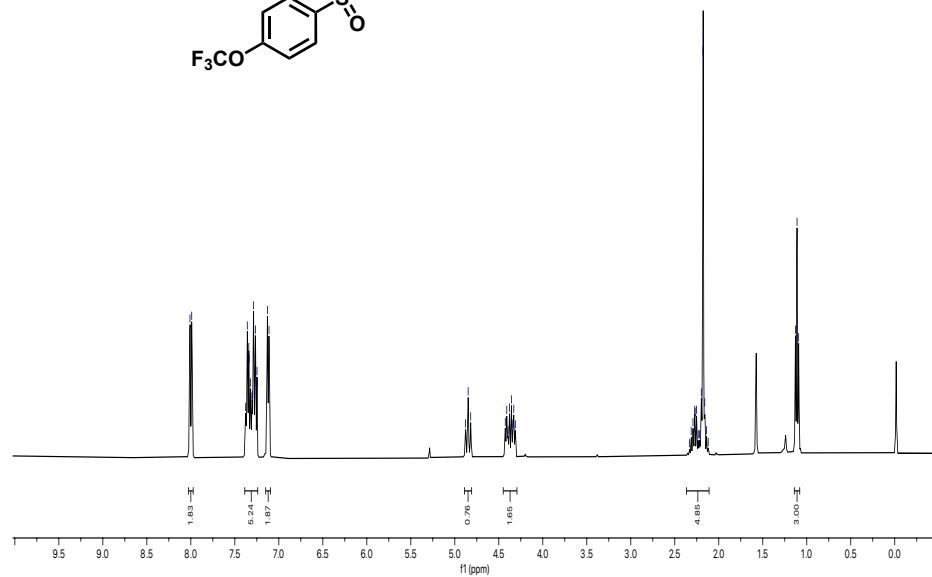
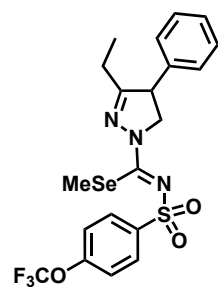
59.44

56.00

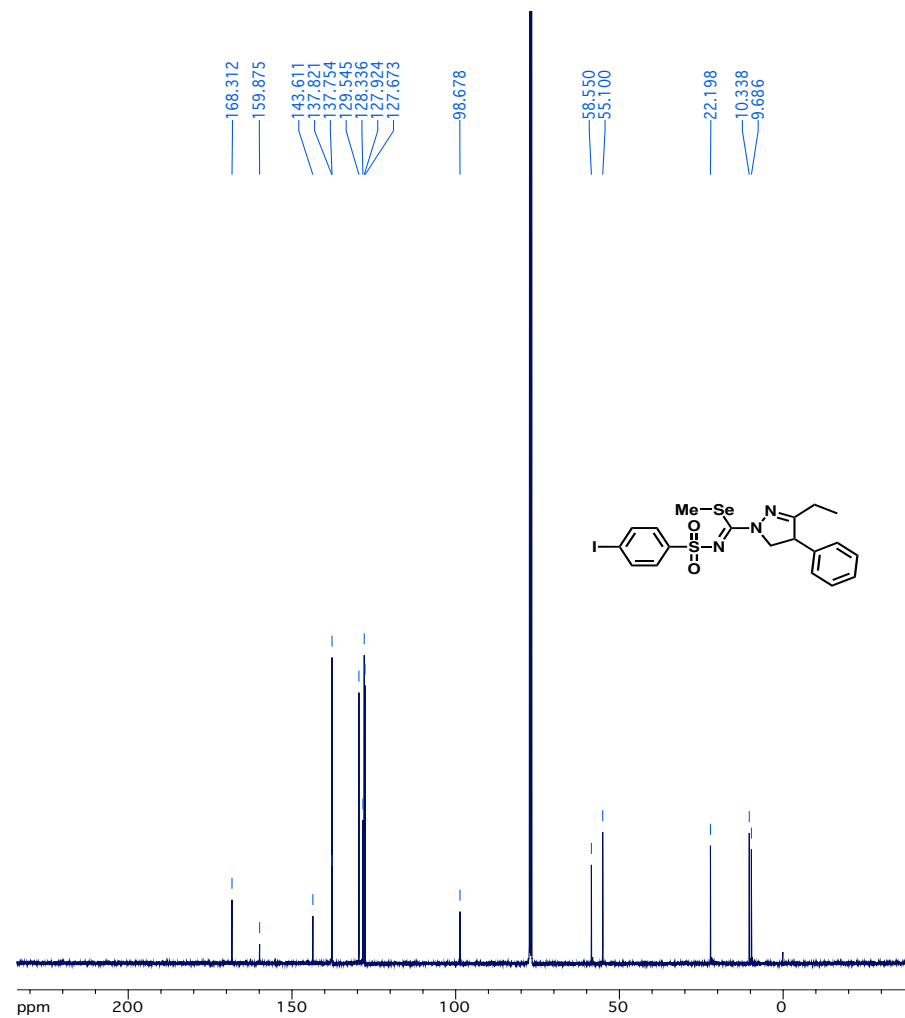
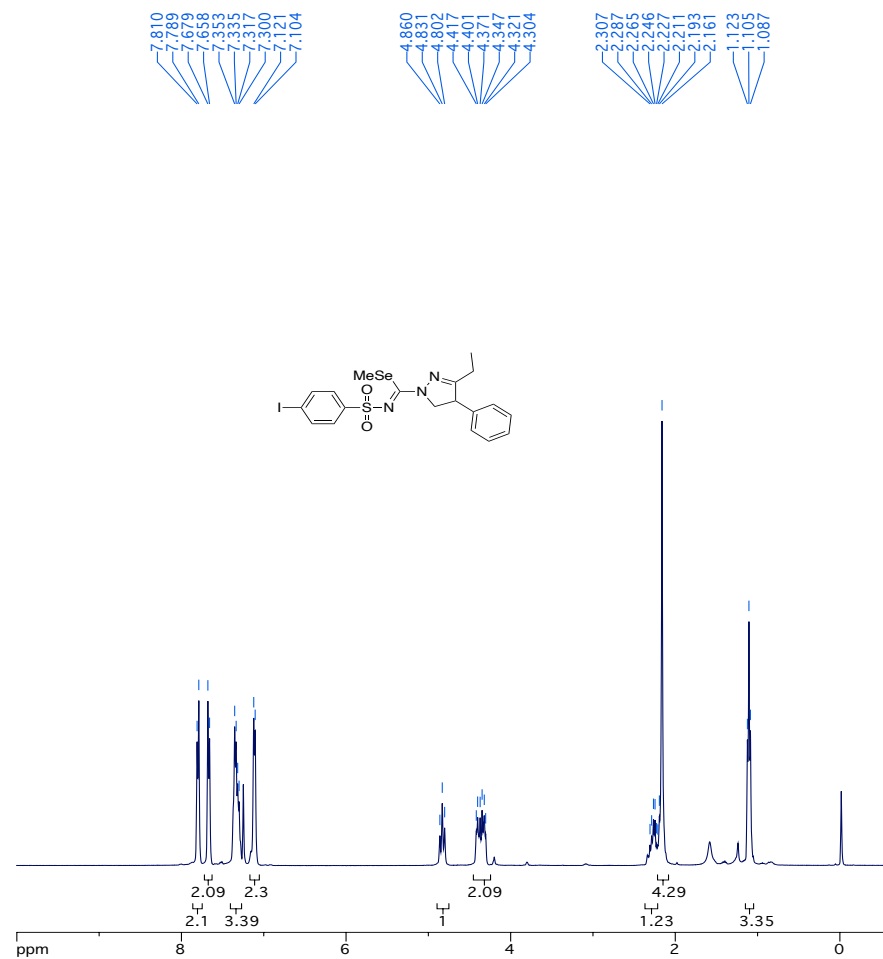
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19.22

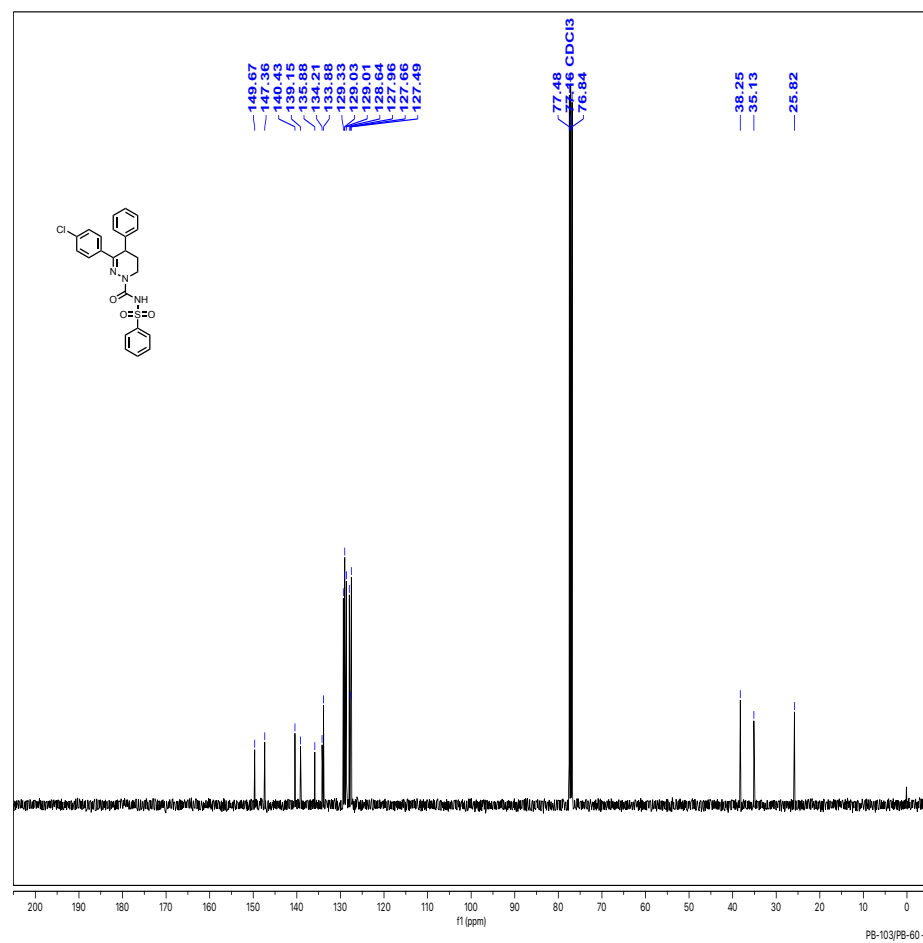
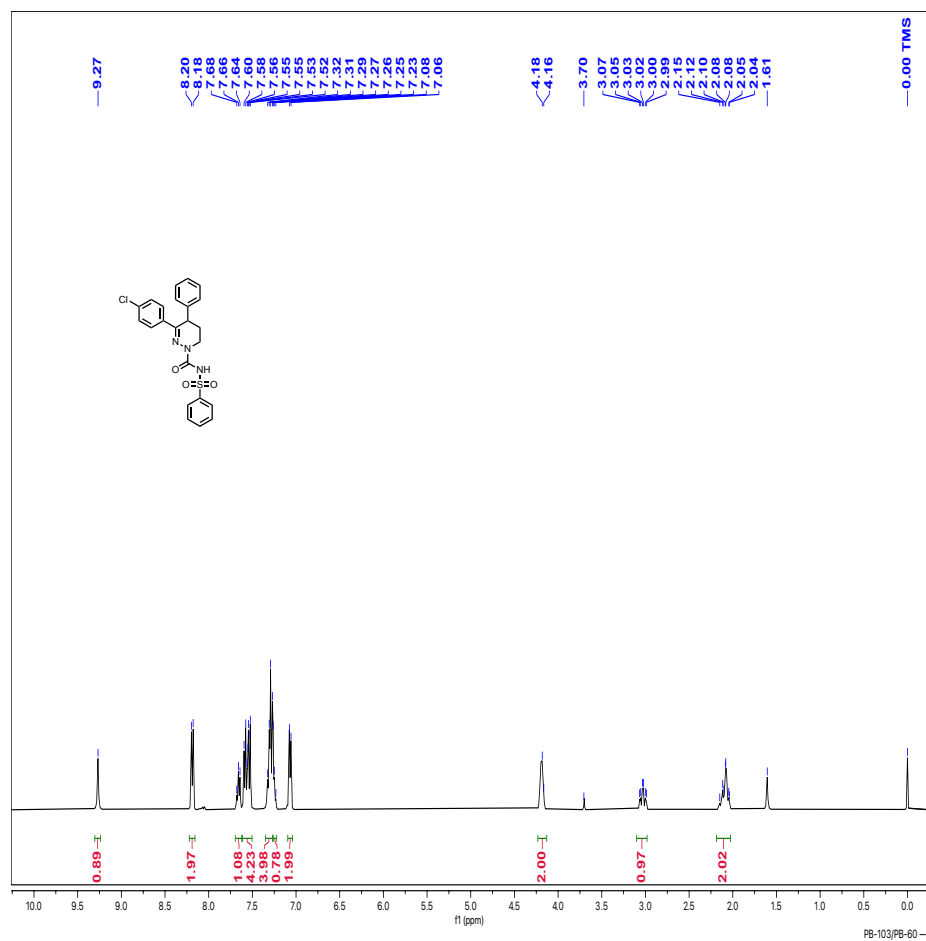
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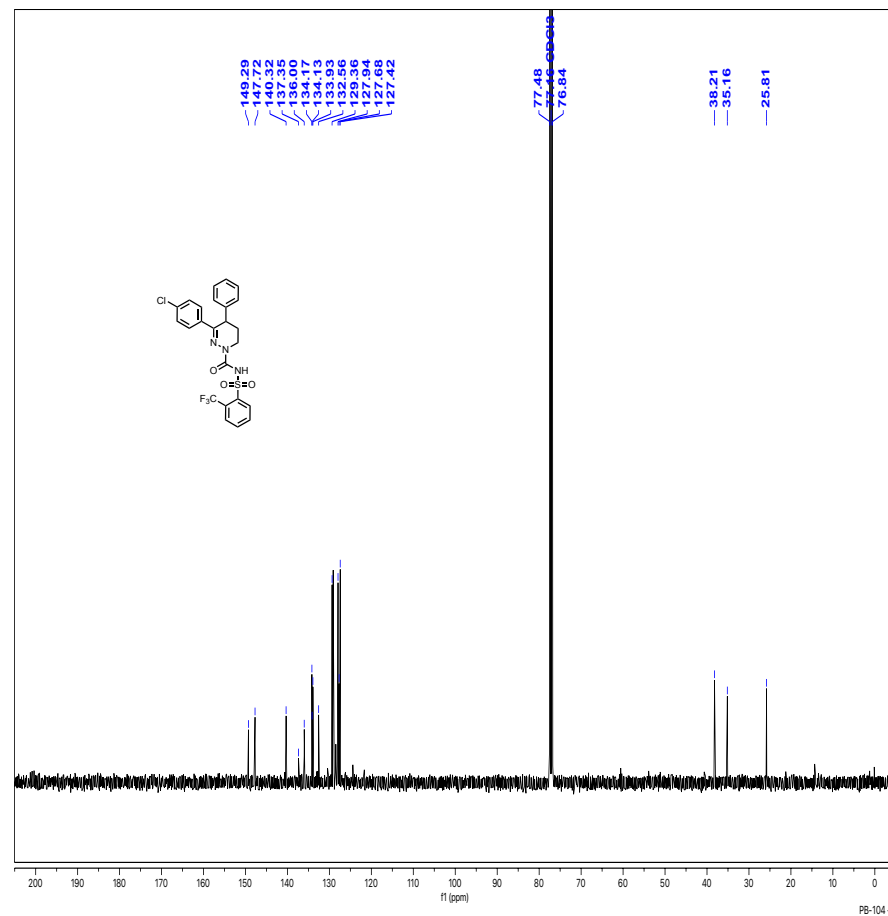
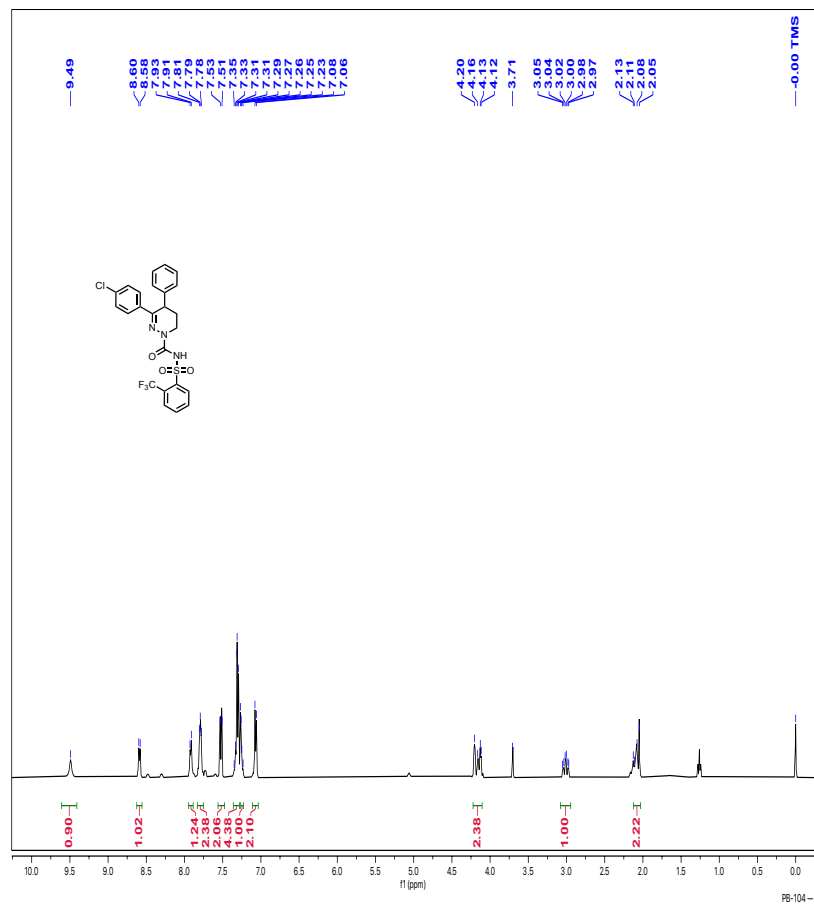
¹HNMR and ¹³CNMR of **7b**



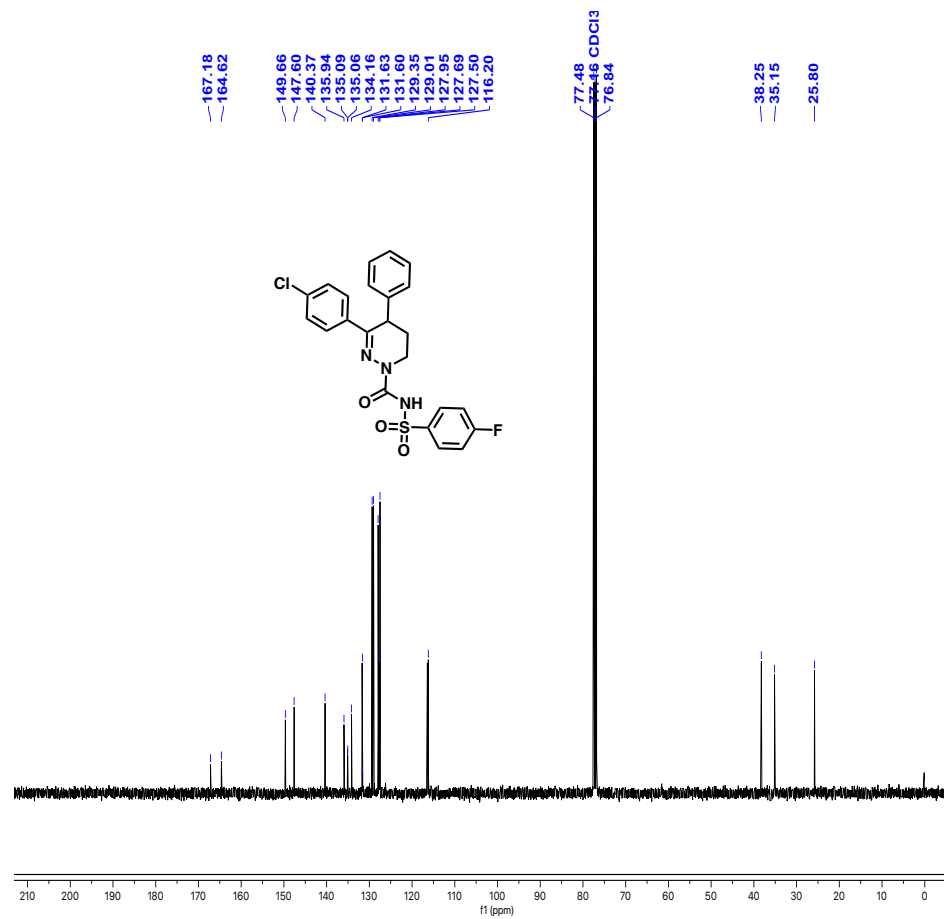
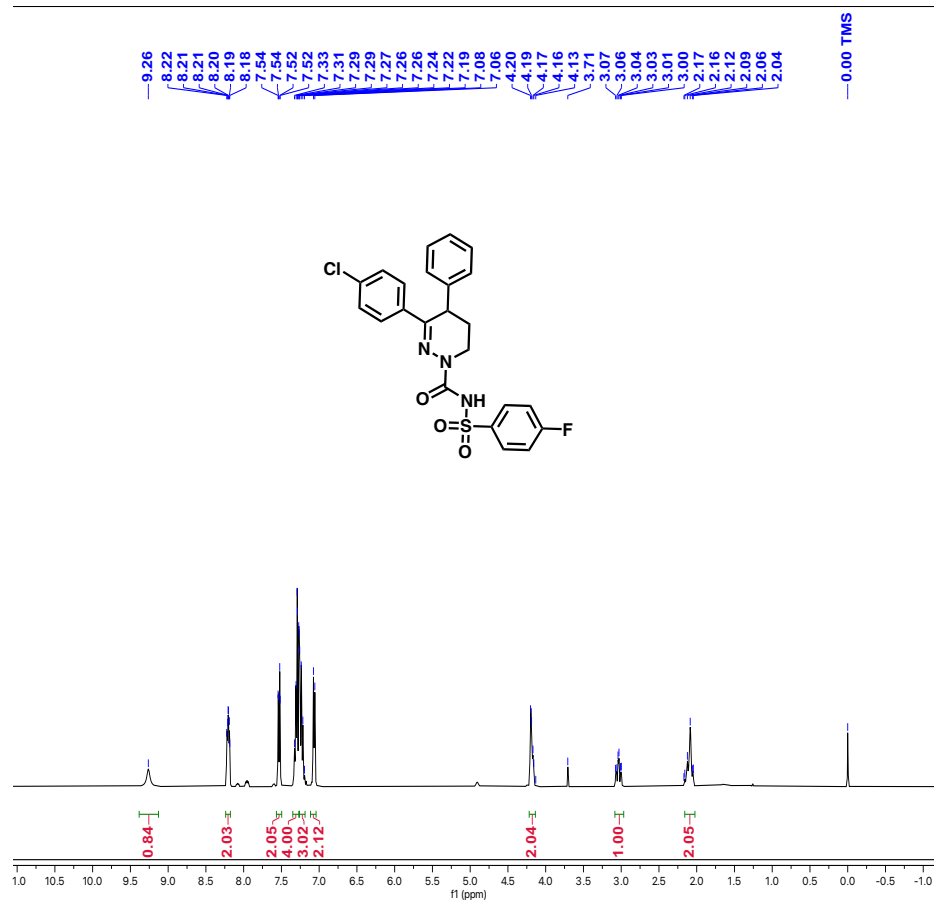
¹HNMR and ¹³CNMR of **8c**



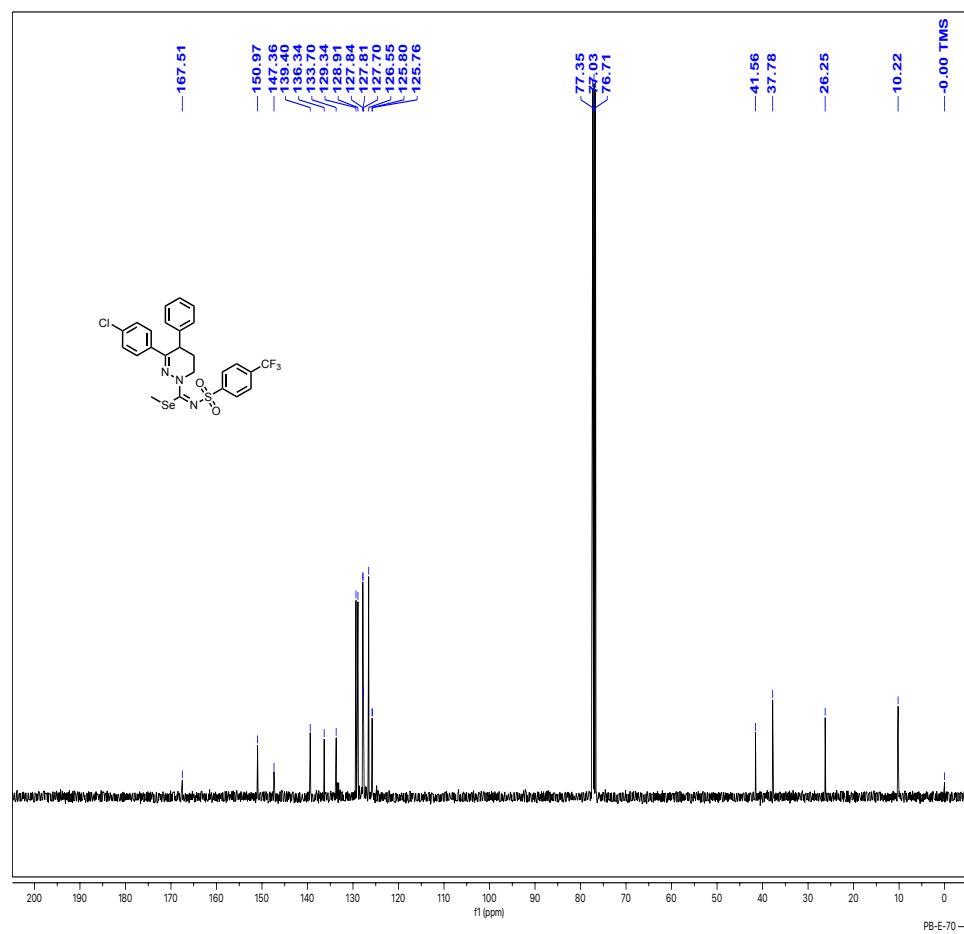
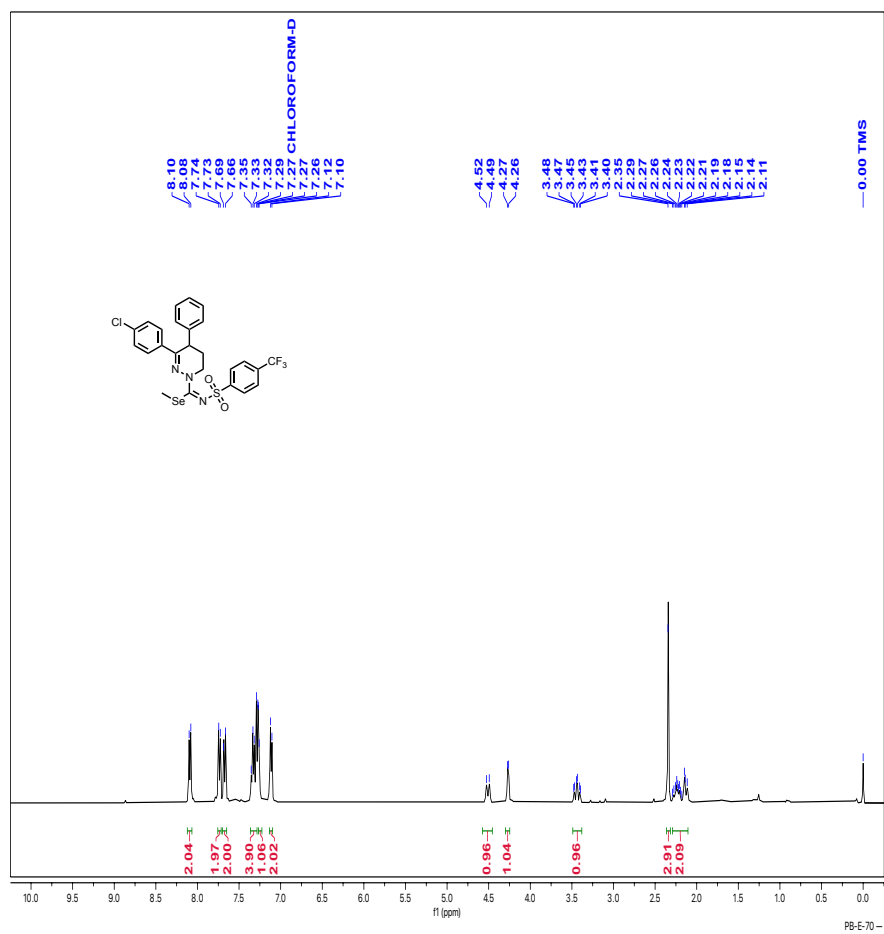
¹HNMR and ¹³CNMR of **8d**



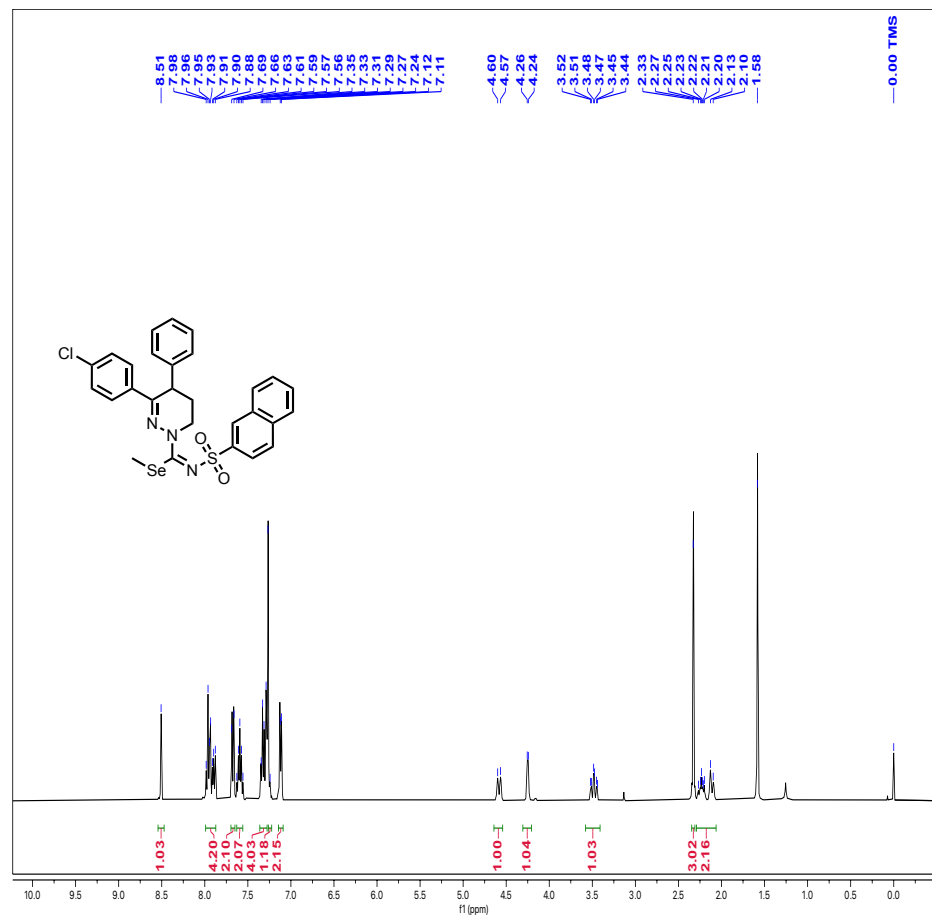
¹HNMR and ¹³CNMR of **8e**



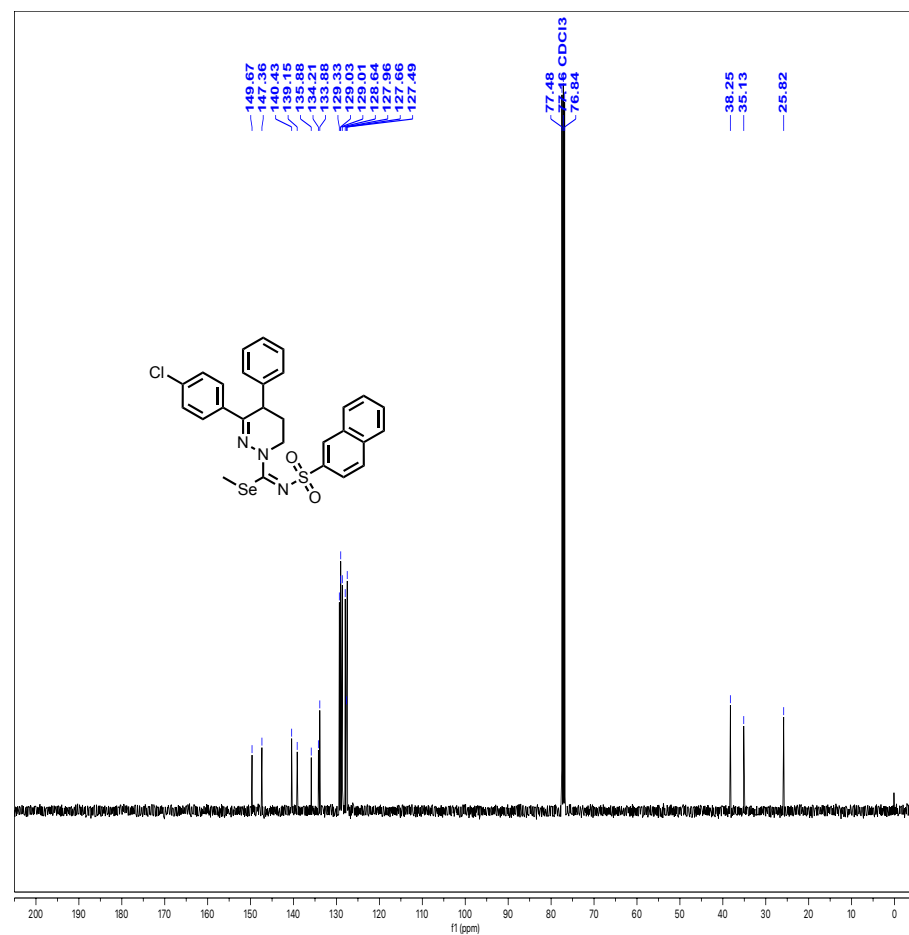
¹HNMR and ¹³CNMR of **9a**



¹HNMR and ¹³CNMR of **9b**

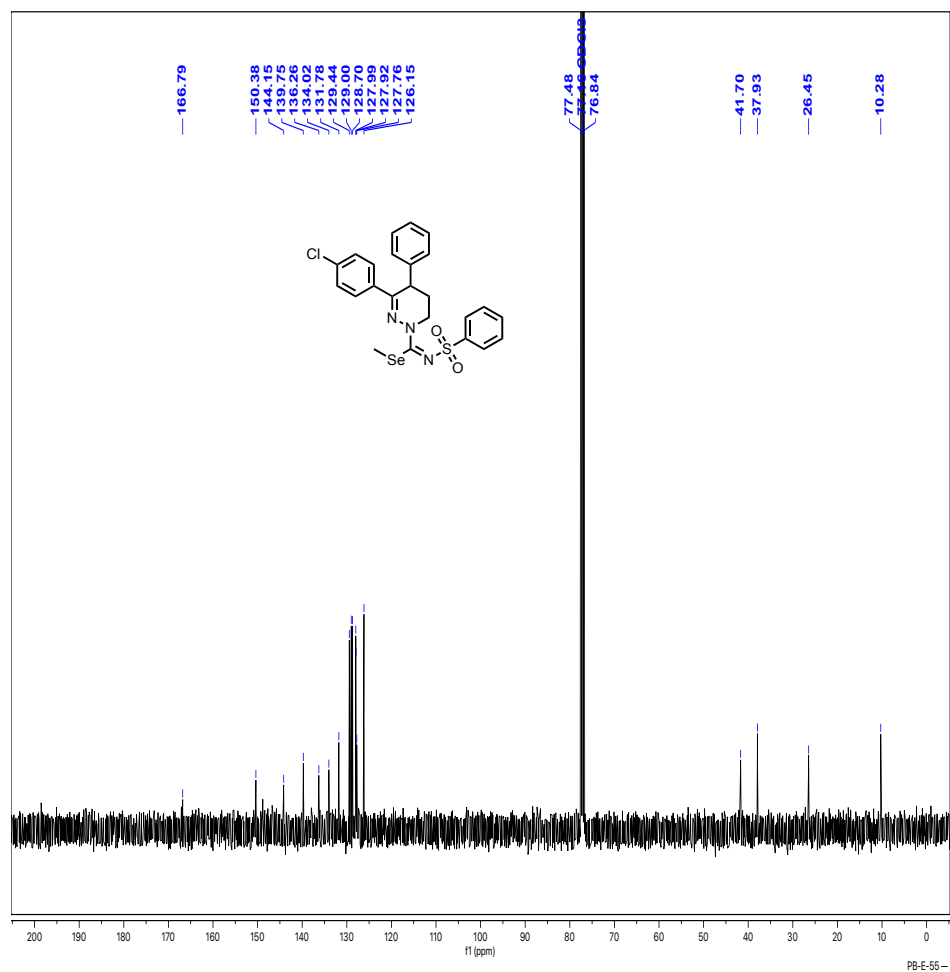
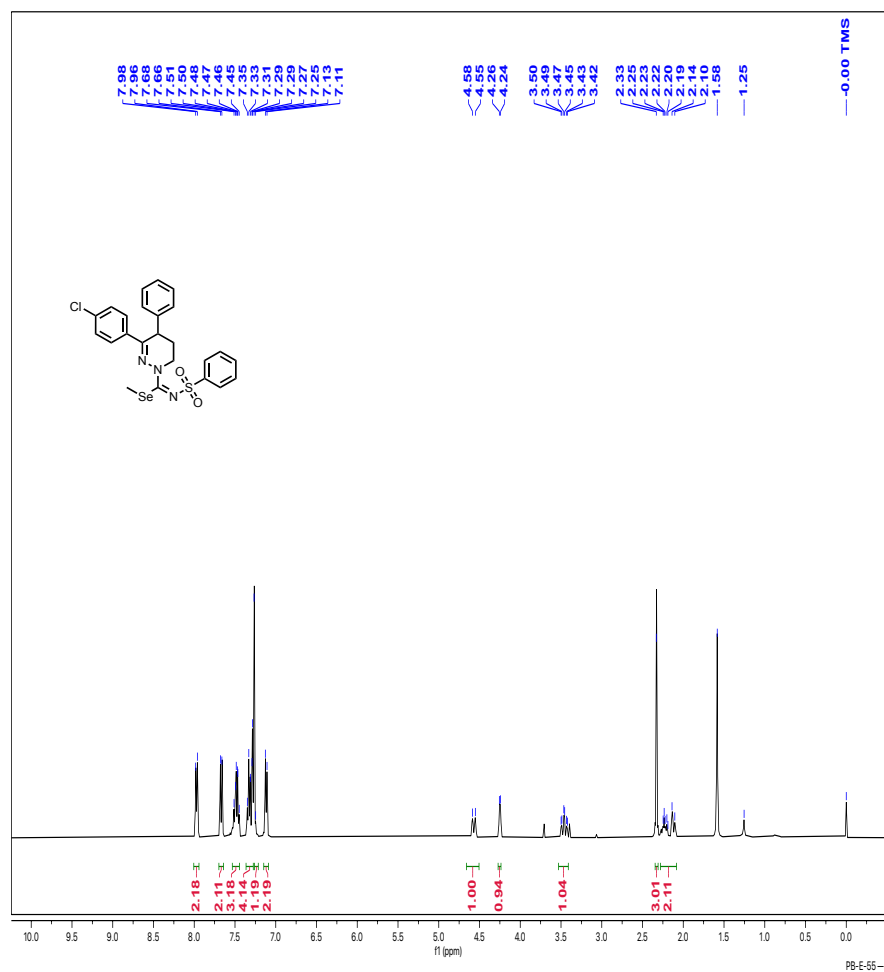


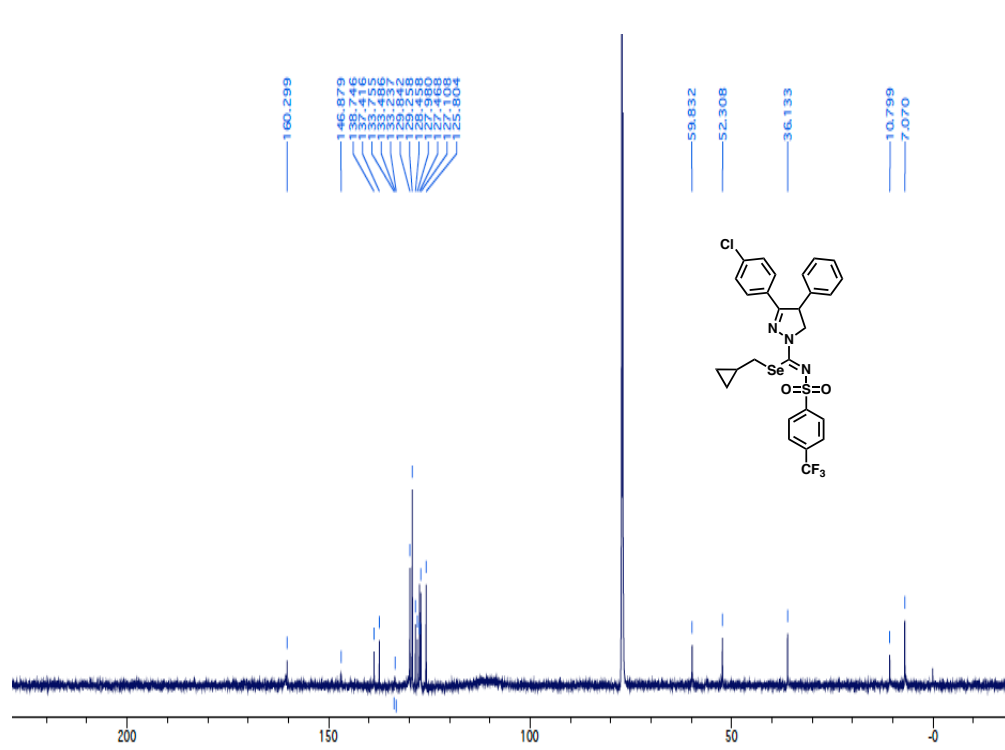
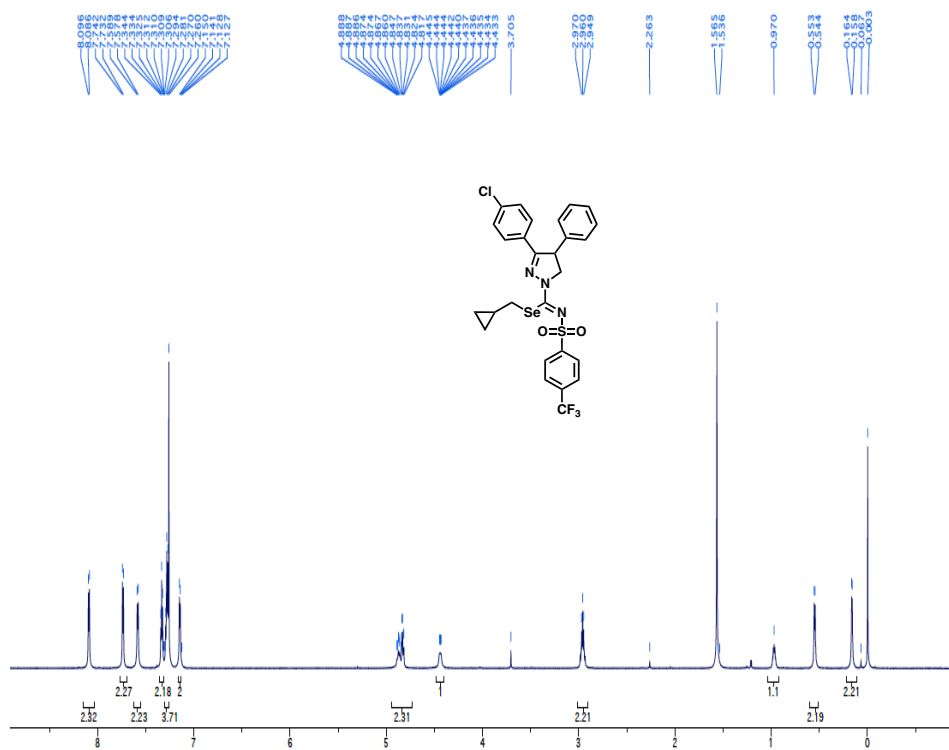
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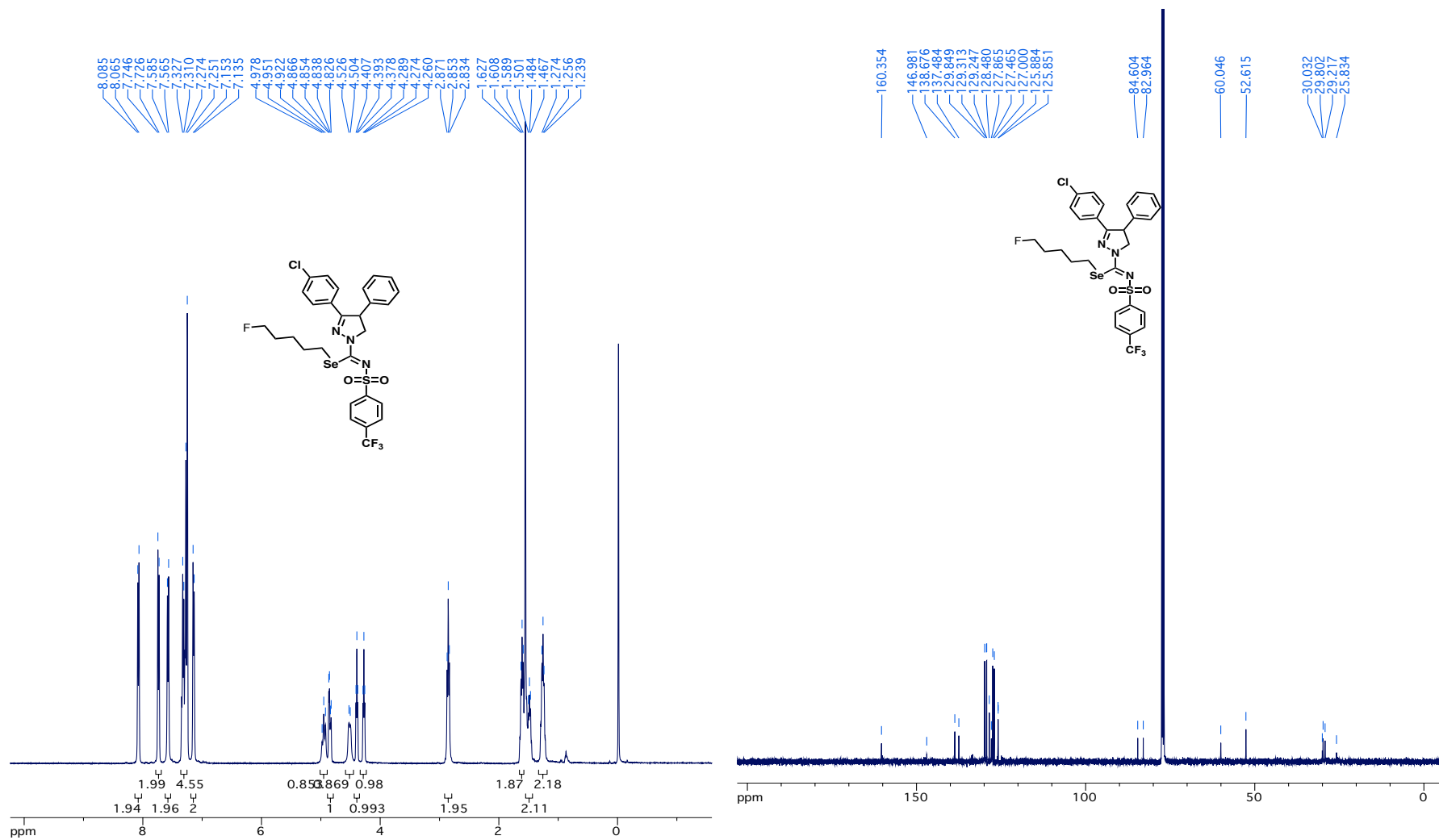
PB-103/PB-60-

¹HNMR and ¹³CNMR of **9c**

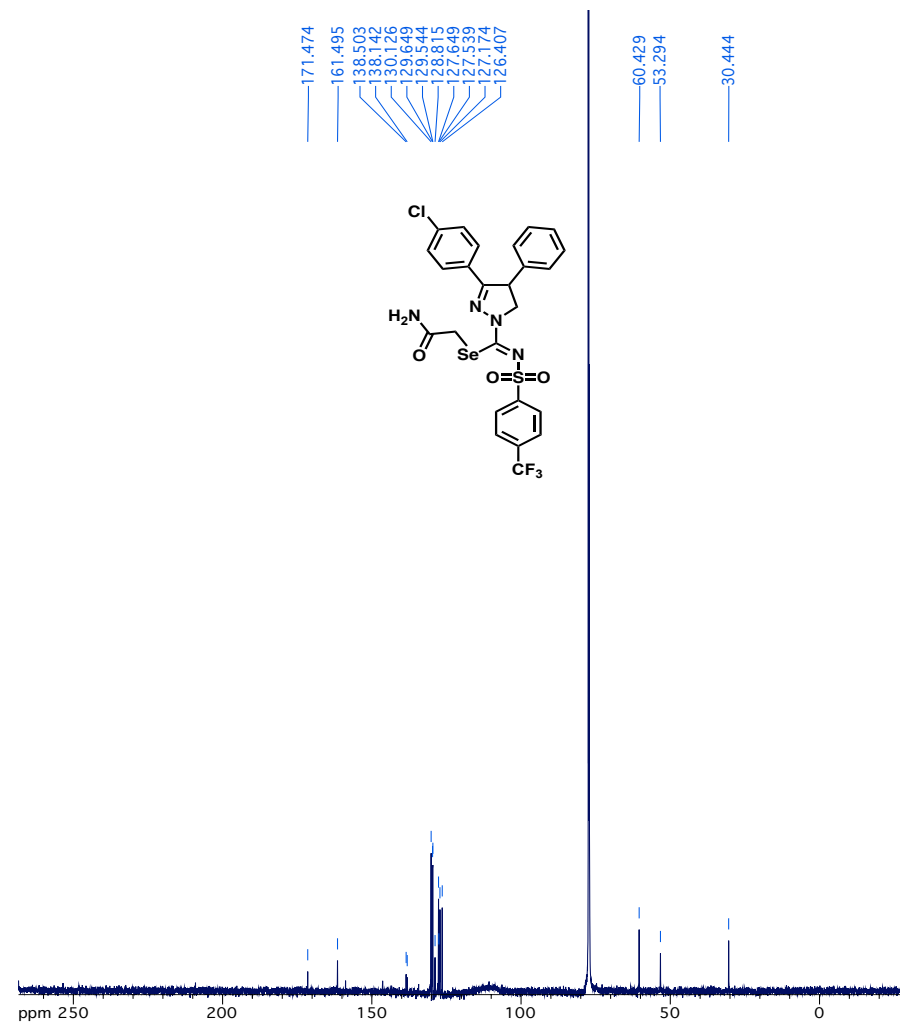
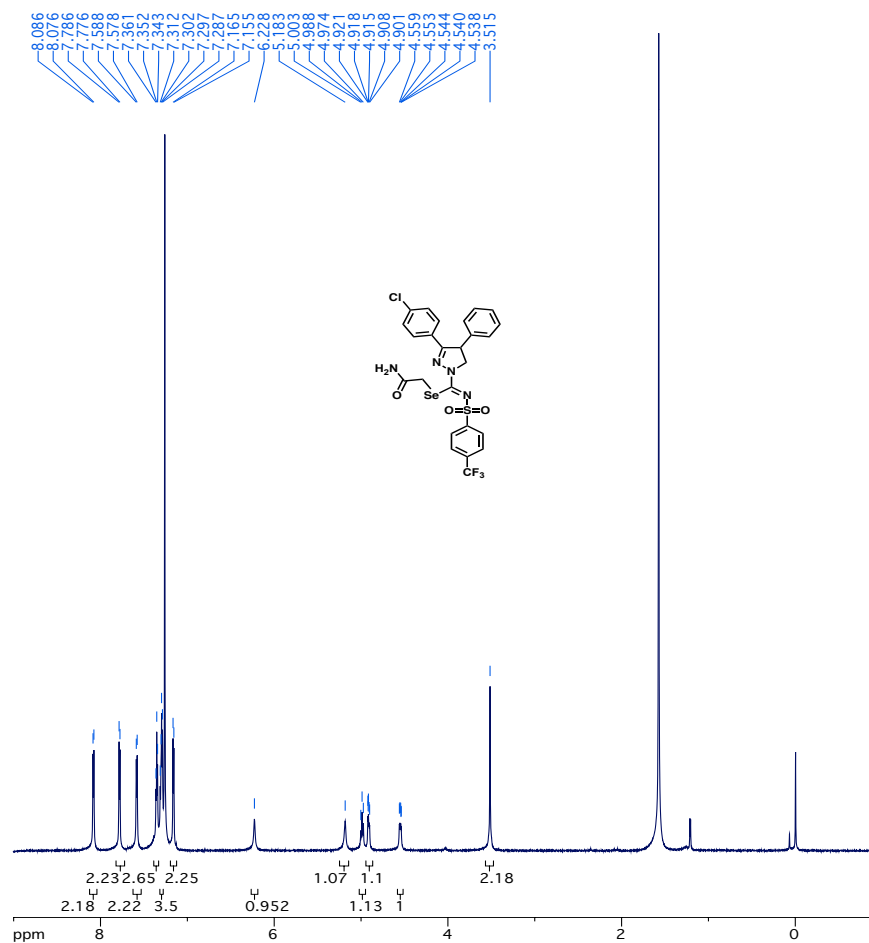


^1H NMR and ^{13}C NMR of **10**

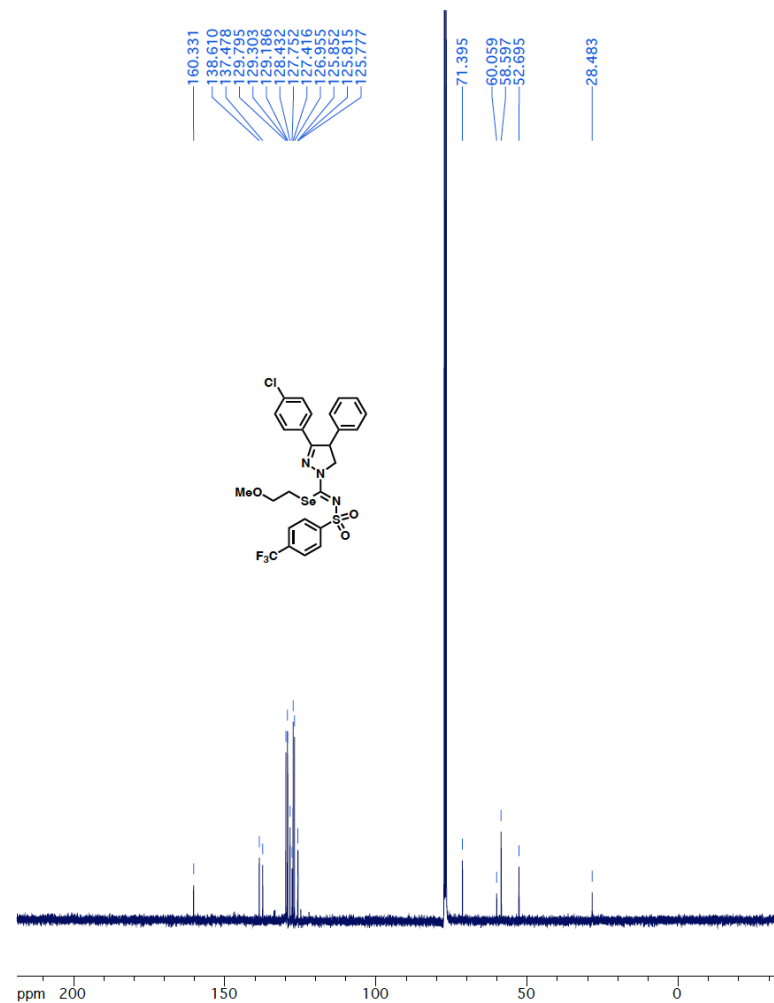
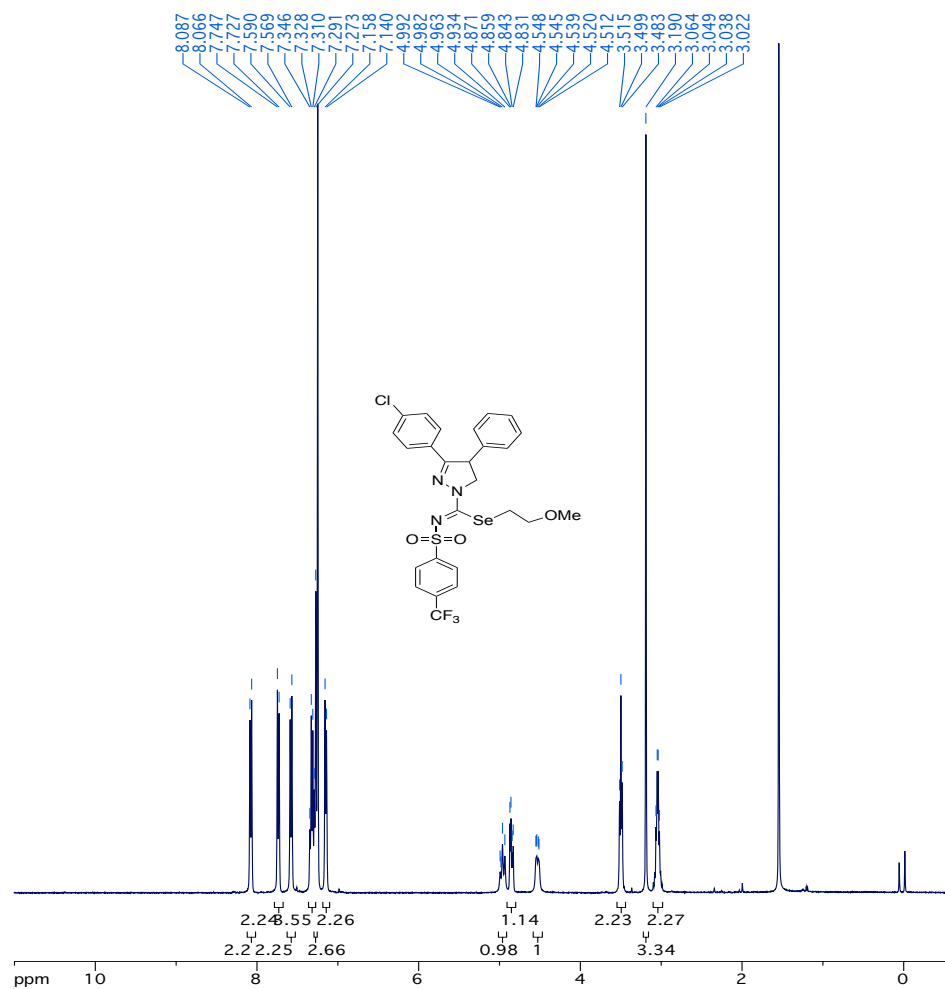
¹HNMR and ¹³CNMR of **11**



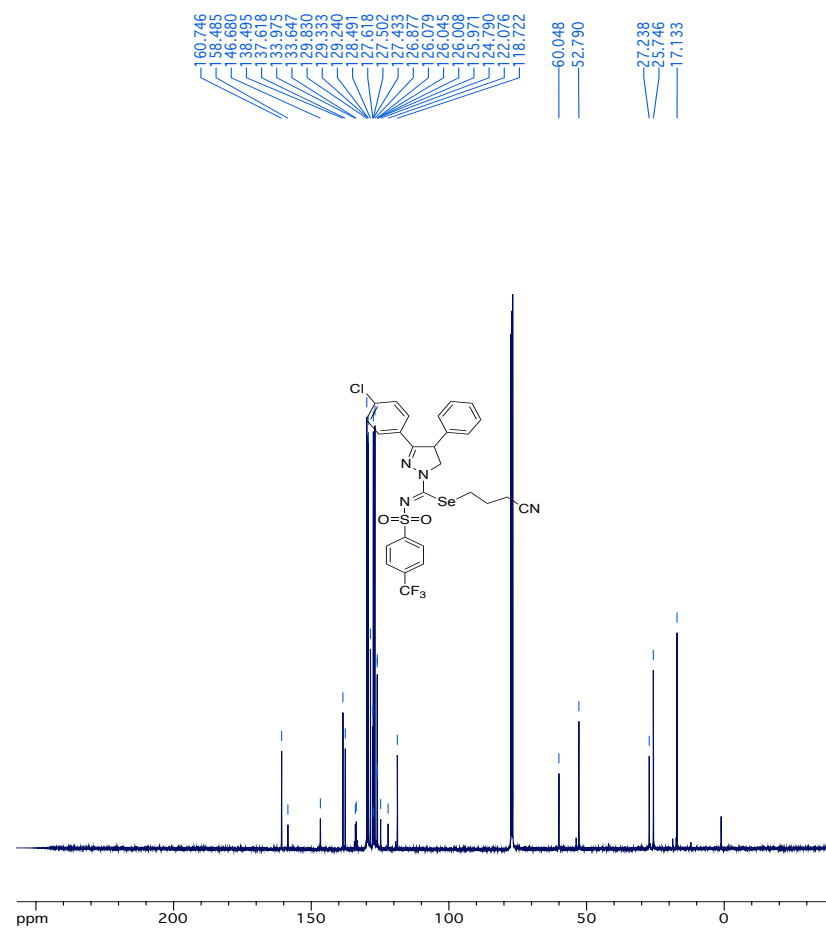
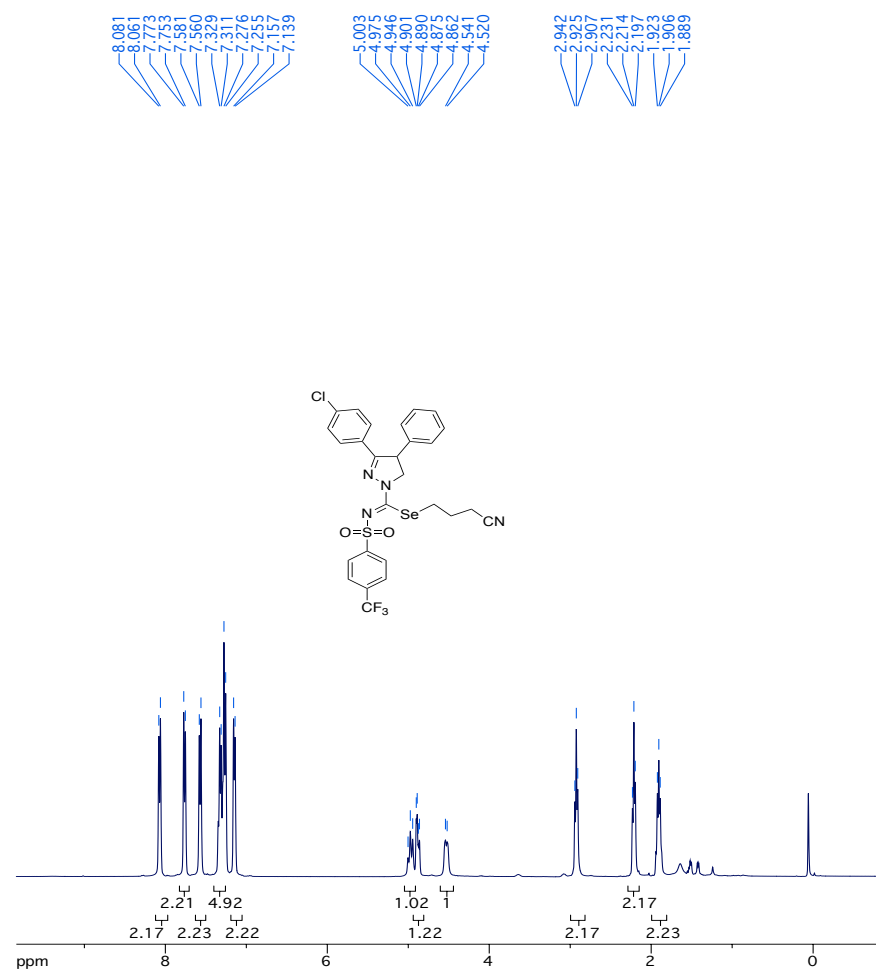
¹HNMR and ¹³CNMR of **12**



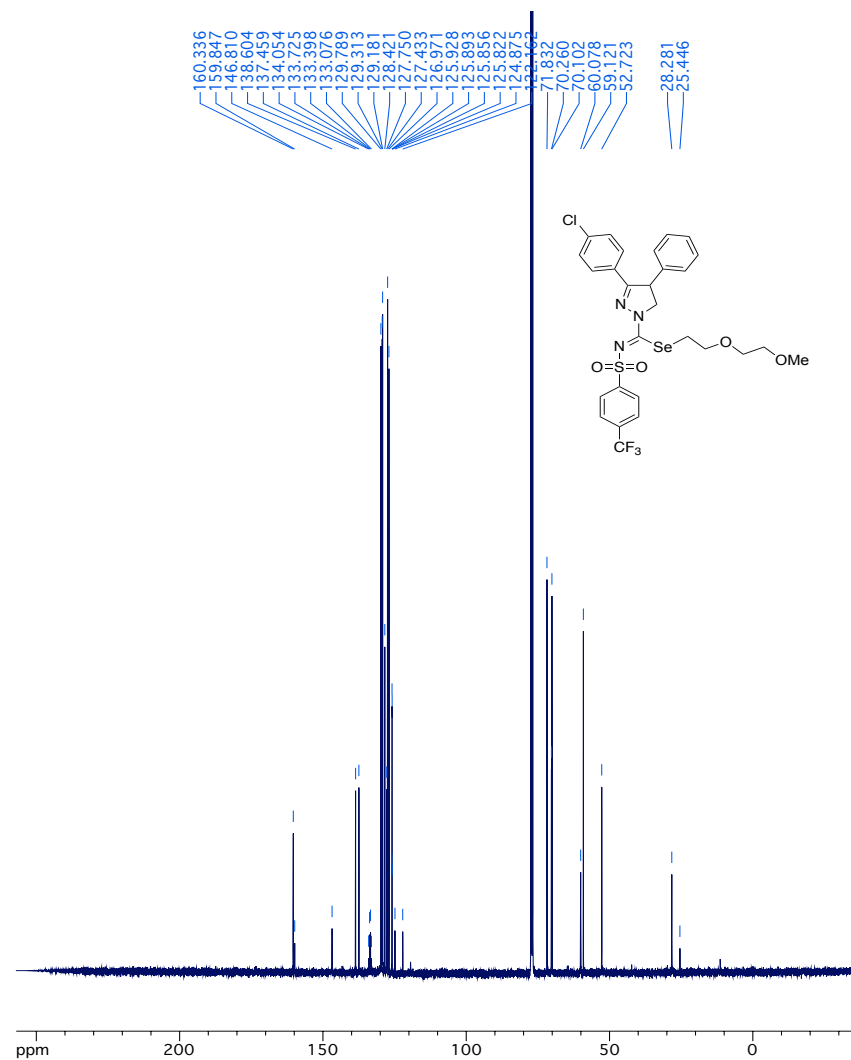
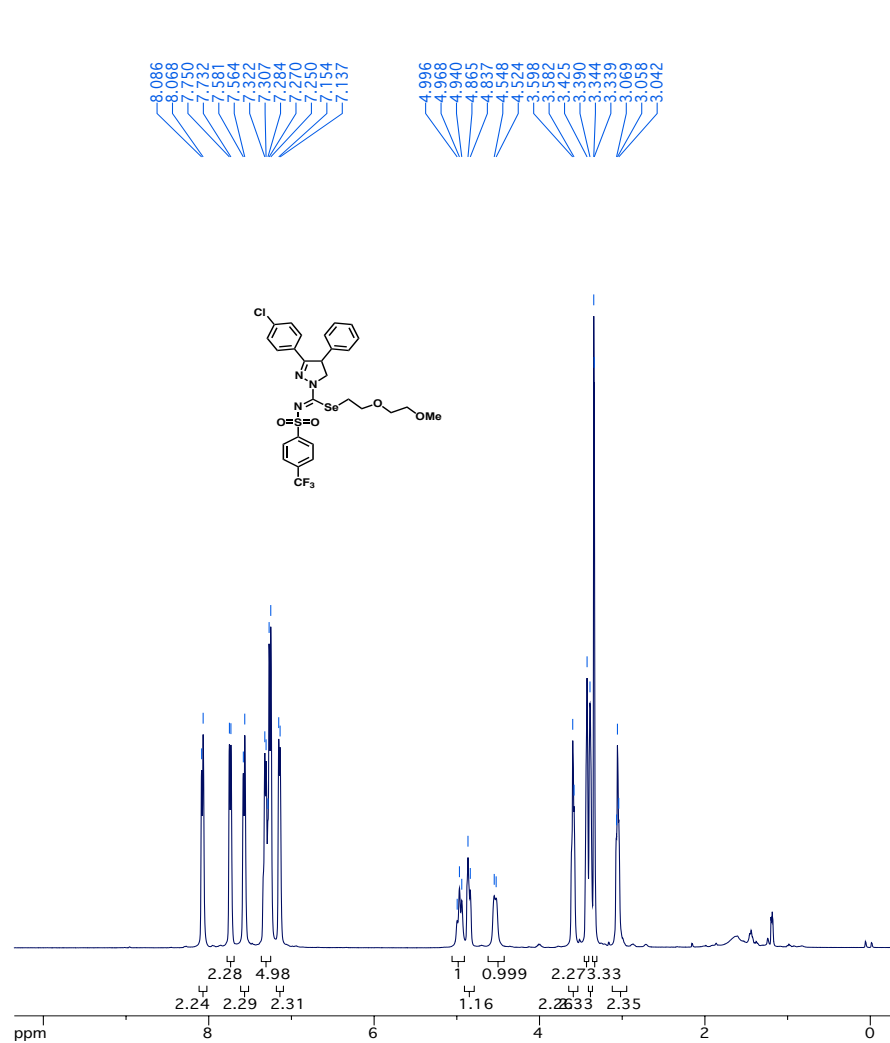
¹HNMR and ¹³CNMR of **13**



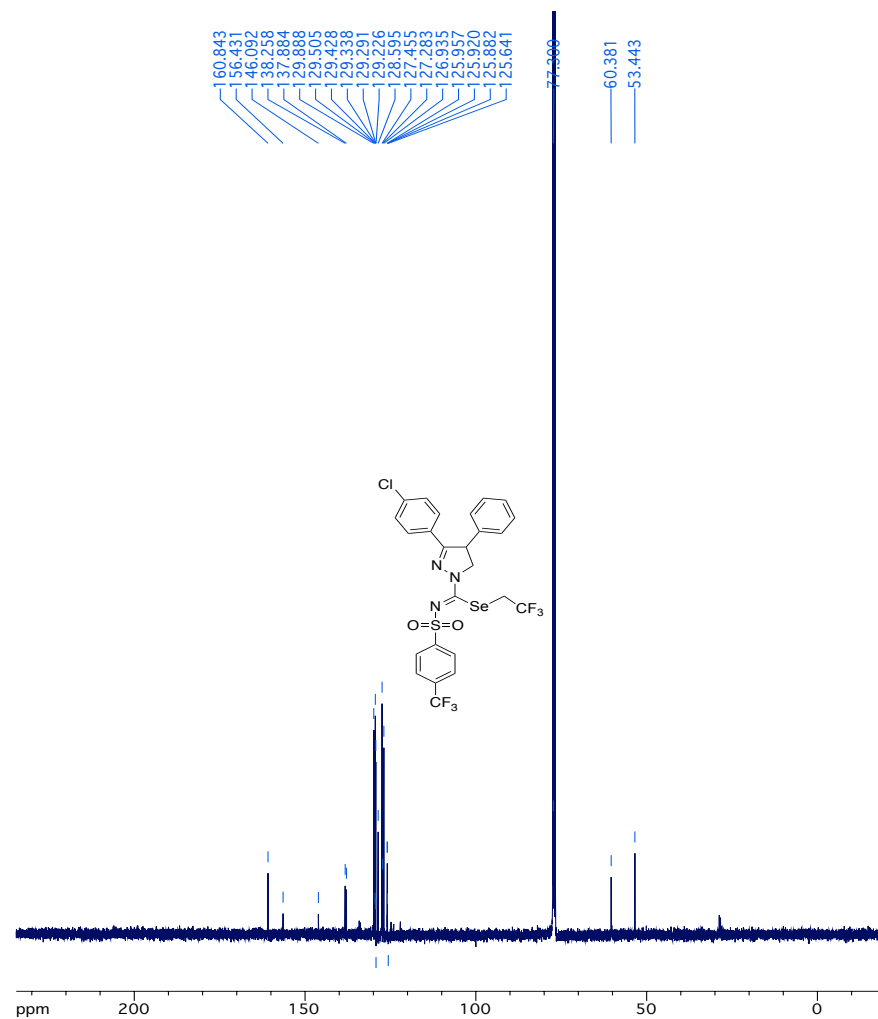
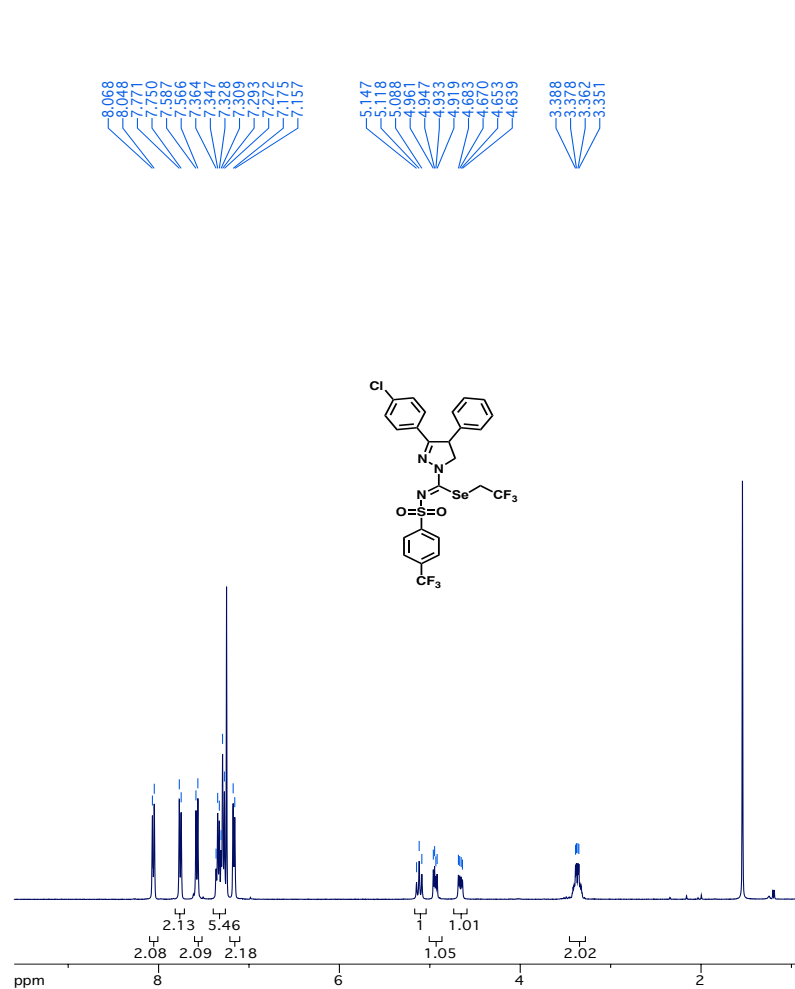
¹HNMR and ¹³CNMR of **14**



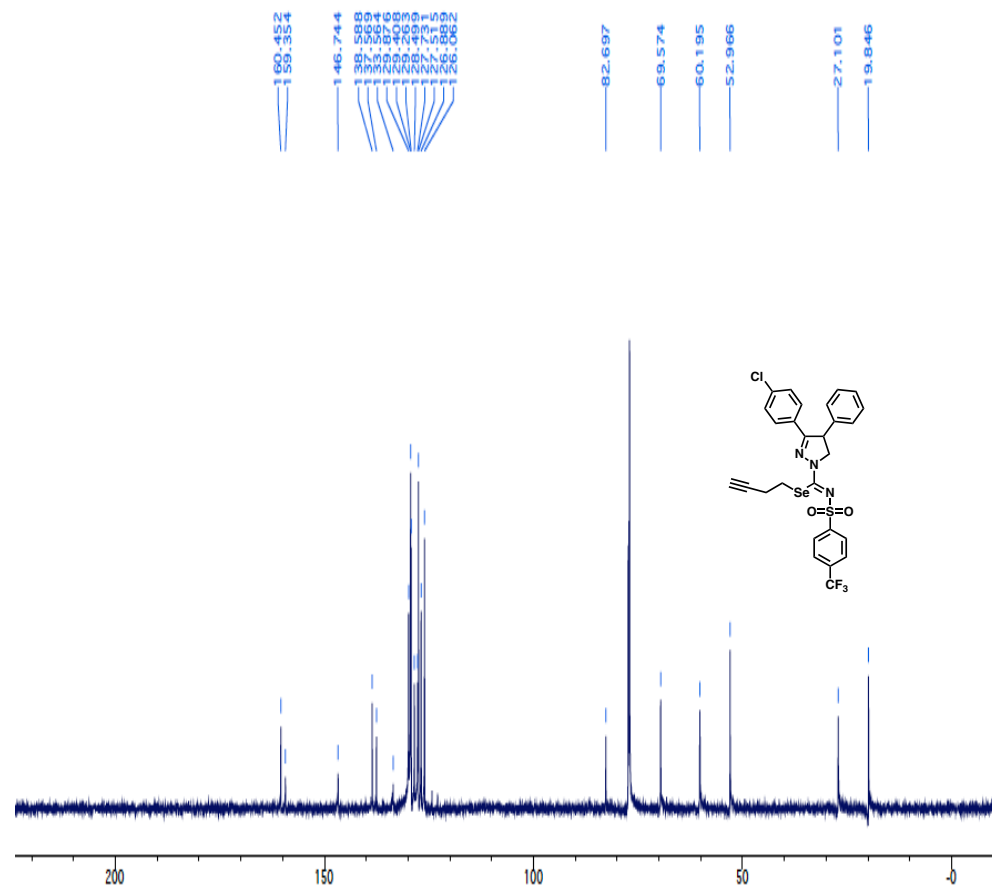
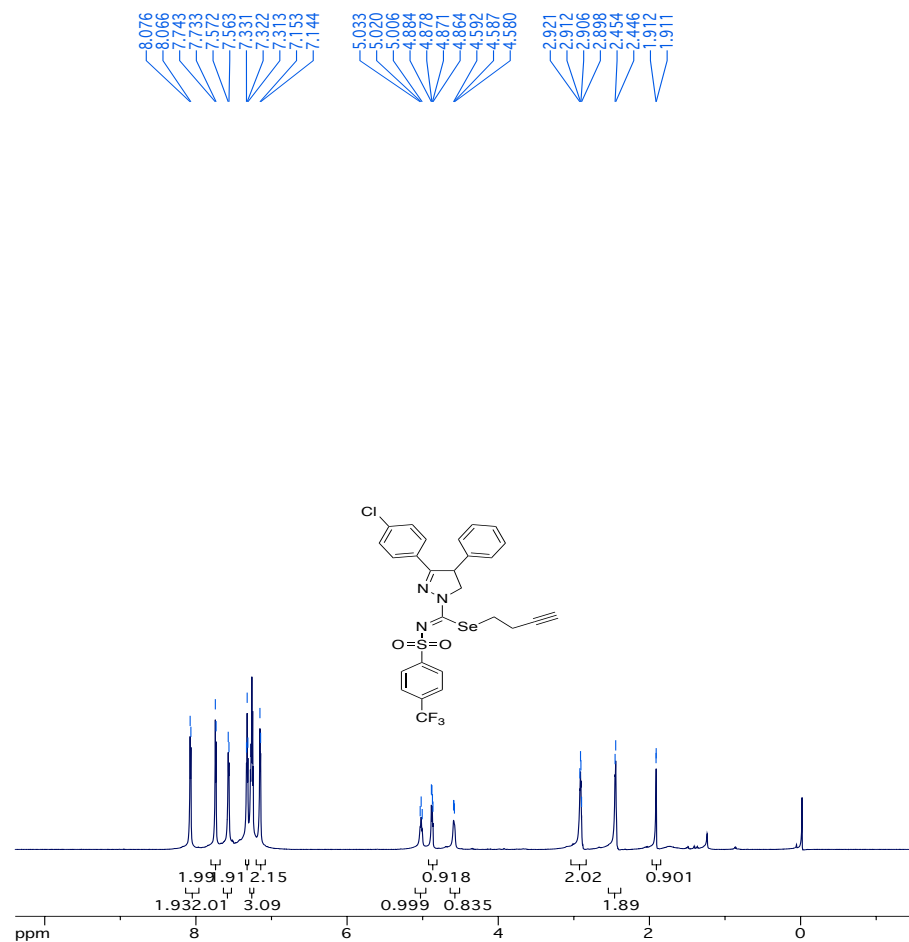
¹HNMR and ¹³CNMR of **15**

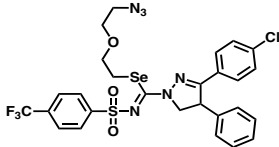
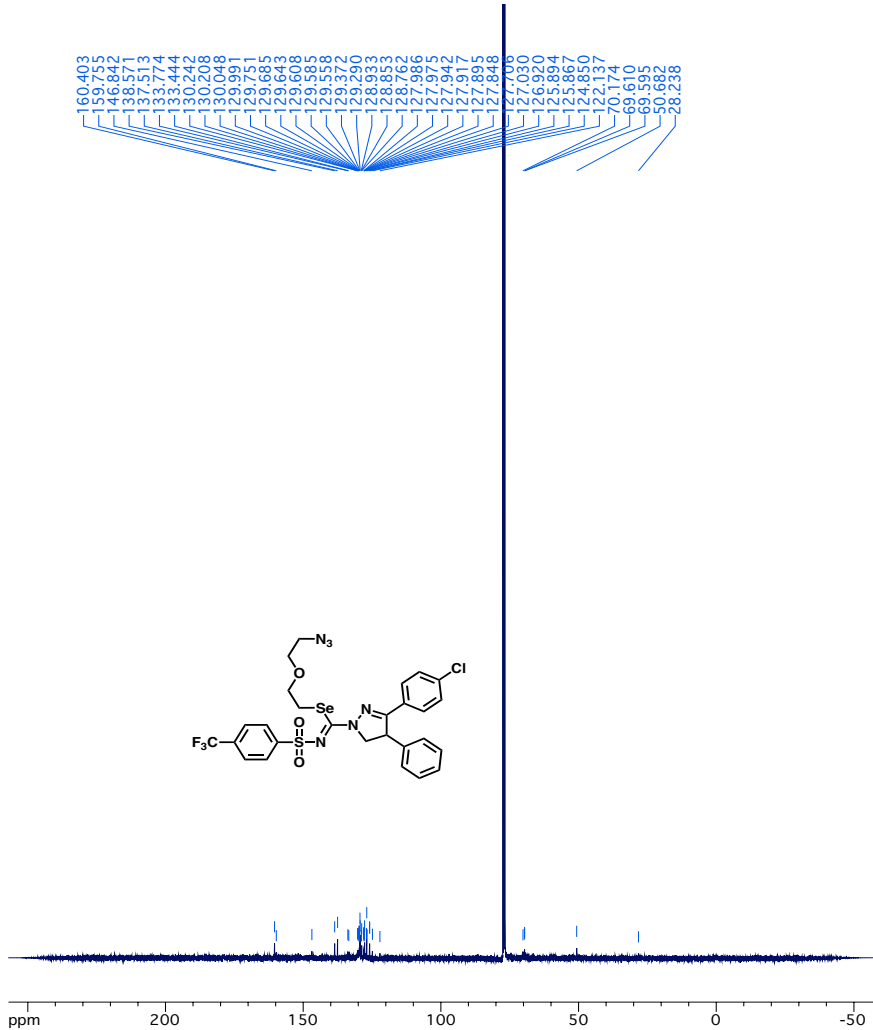
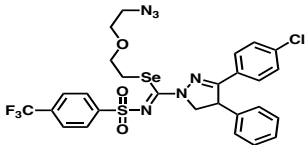
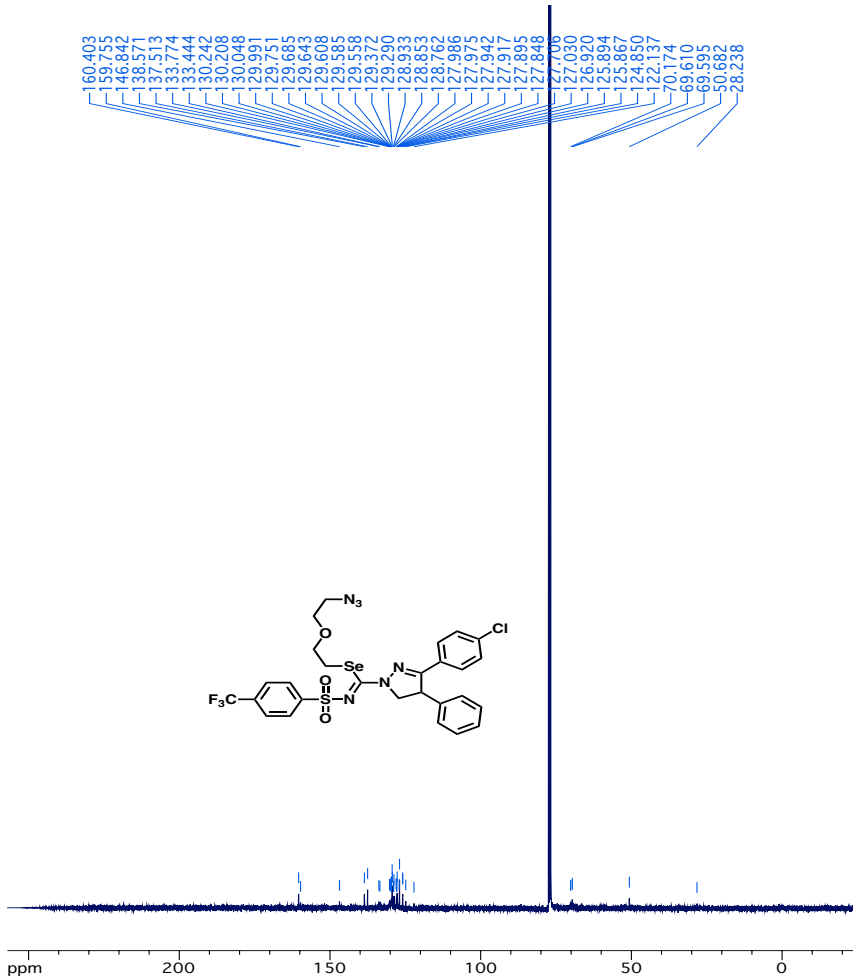


¹HNMR and ¹³CNMR of **16**

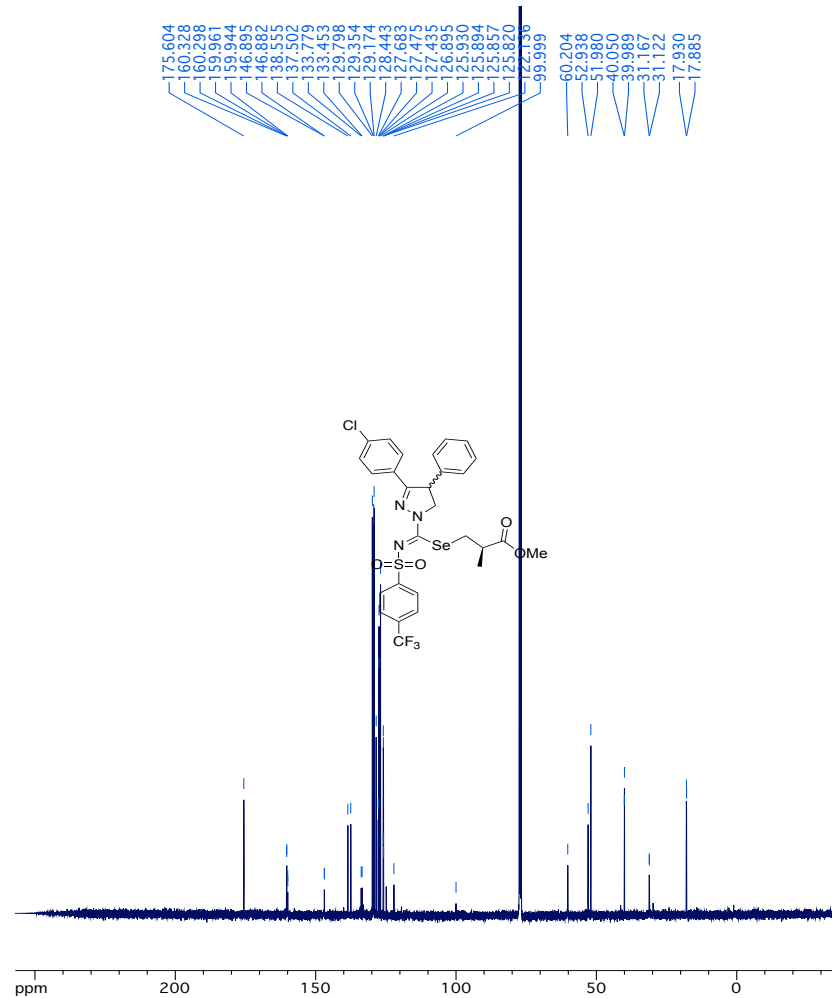
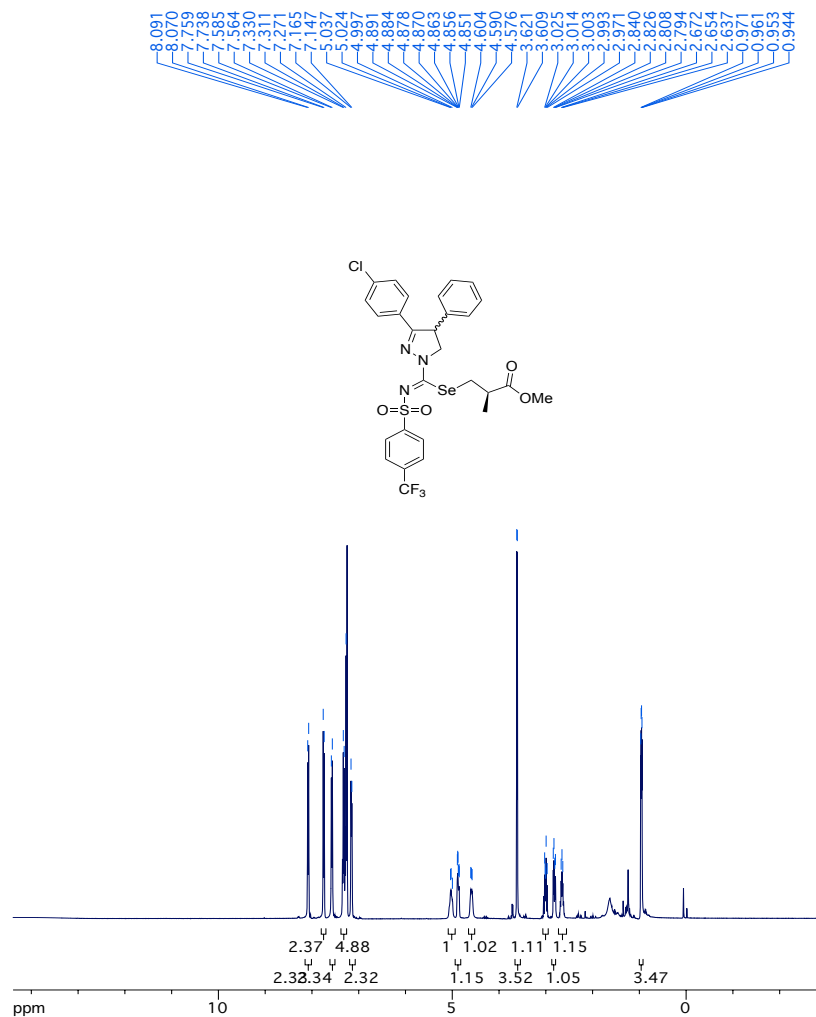


¹HNMR and ¹³CNMR of **17**

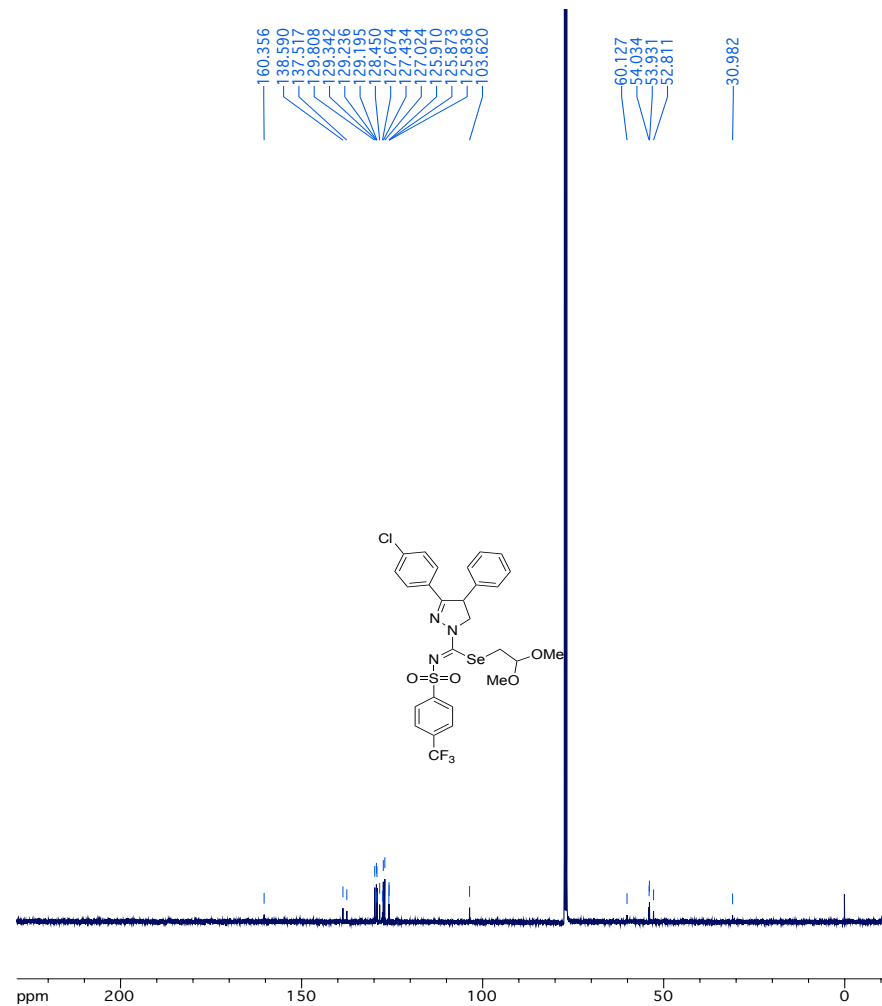
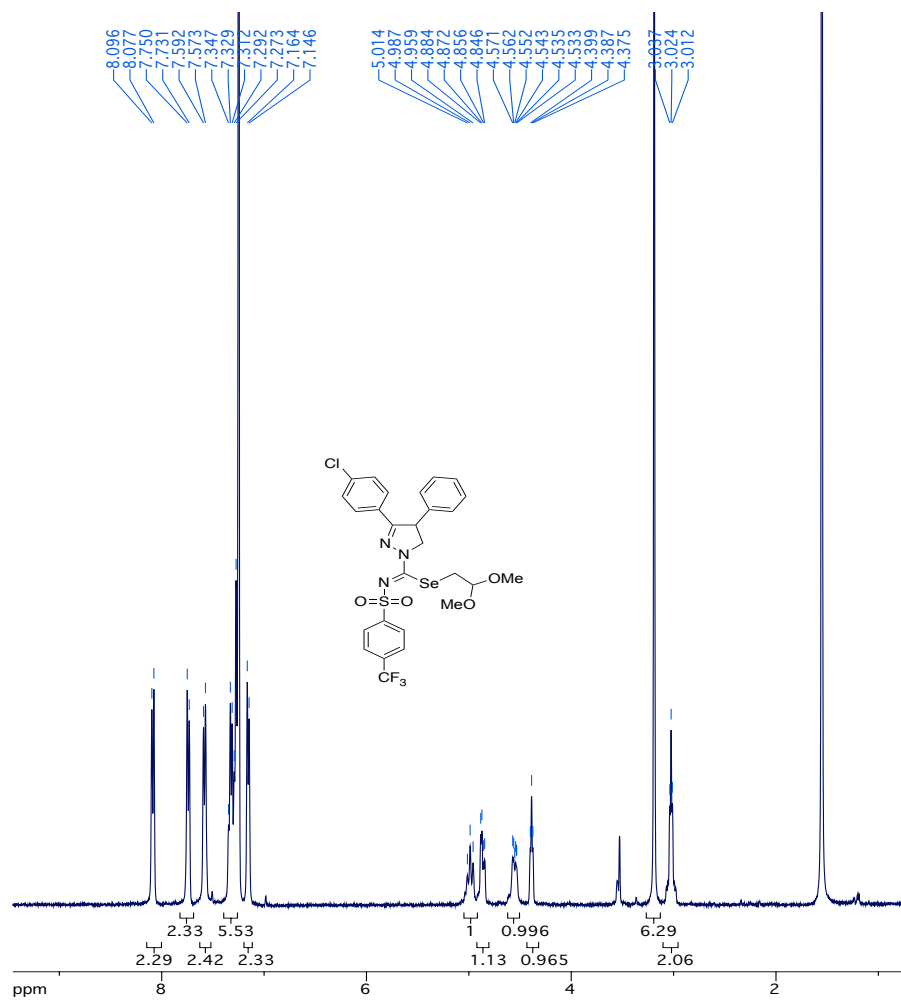


^1H NMR and ^{13}C NMR of **18**

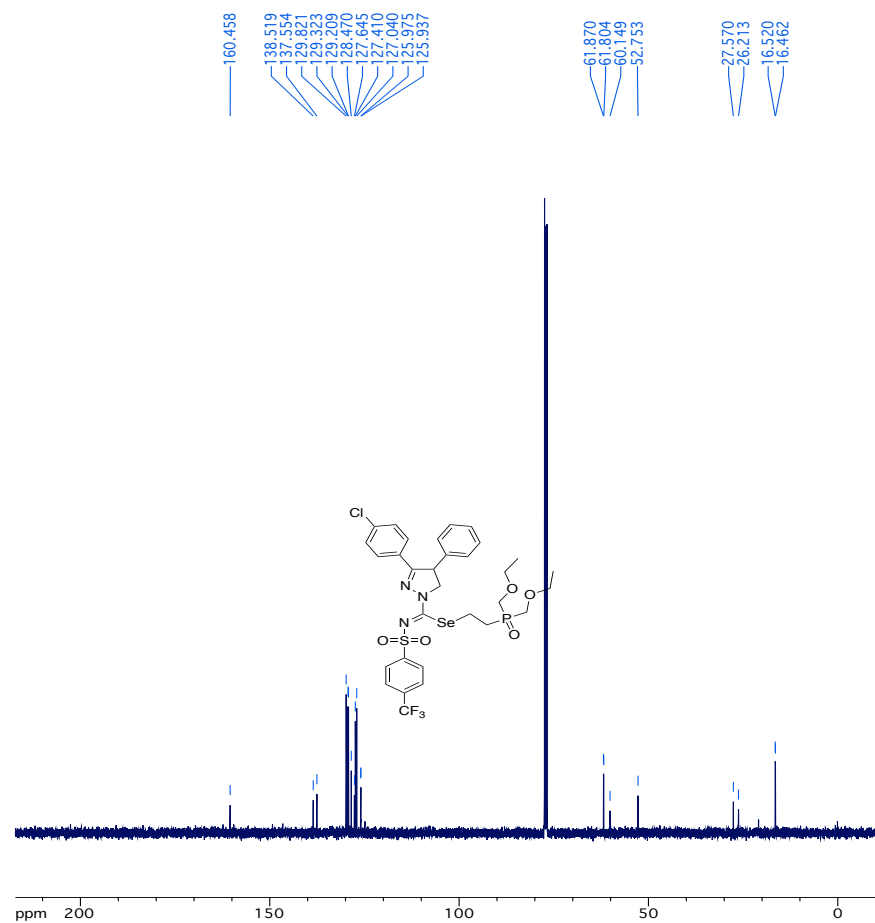
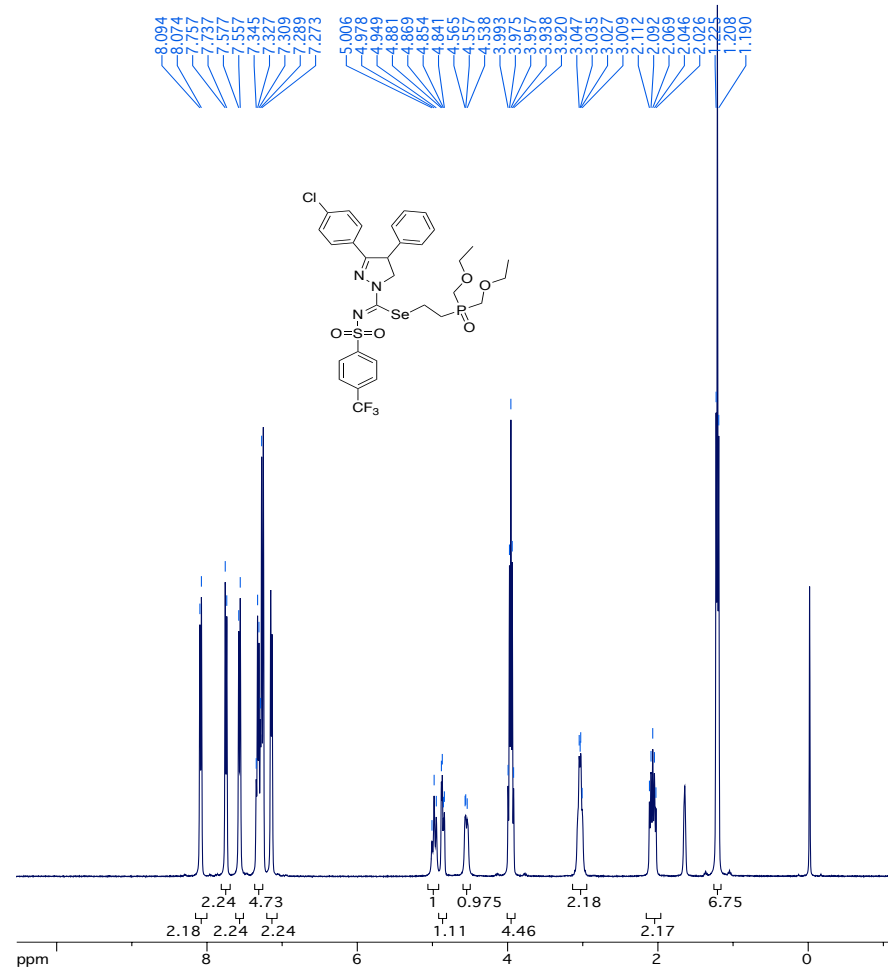
¹HNMR and ¹³CNMR of **19**



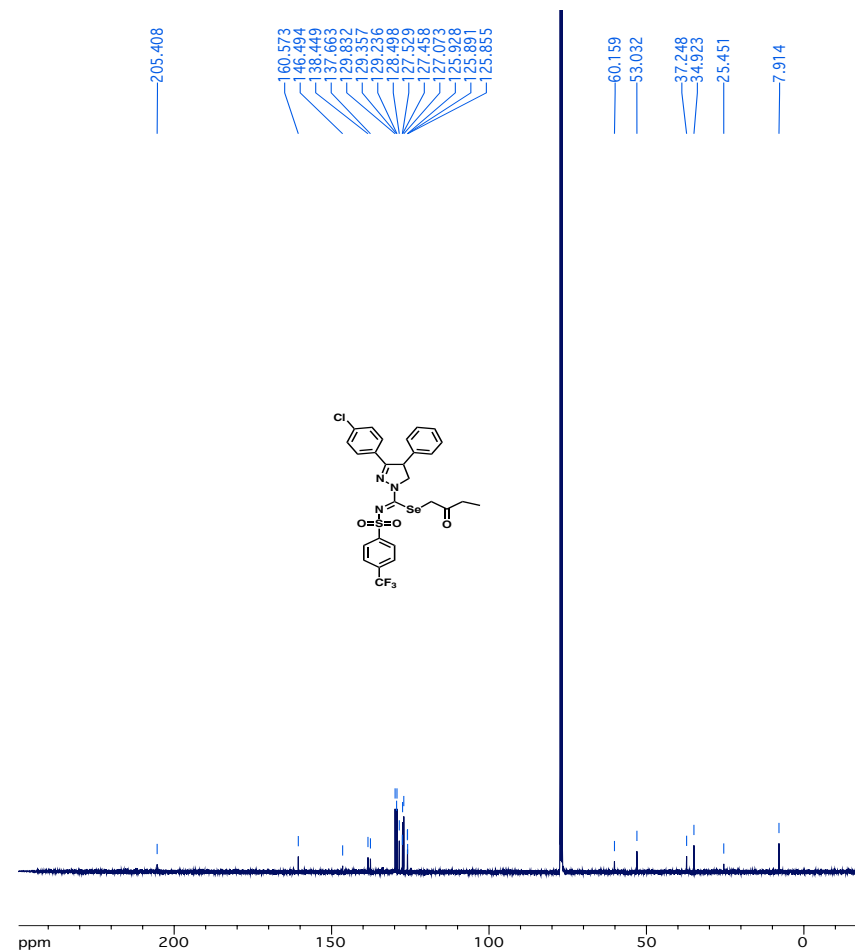
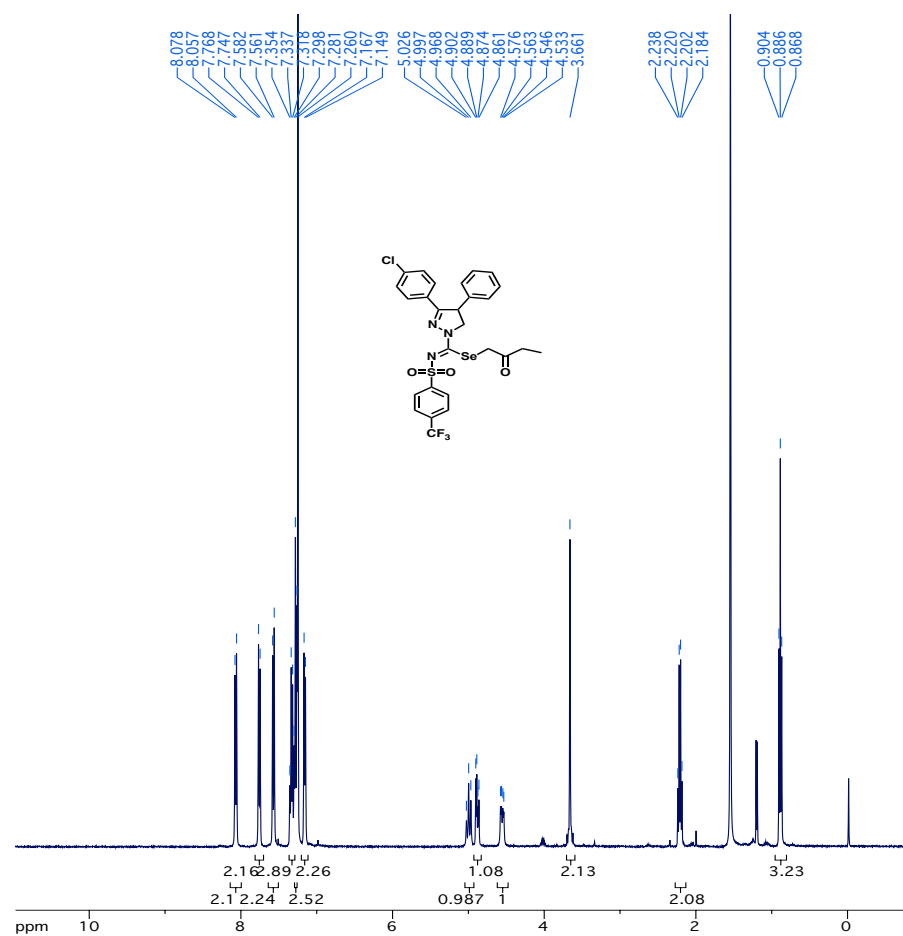
¹HNMR and ¹³CNMR of **20**

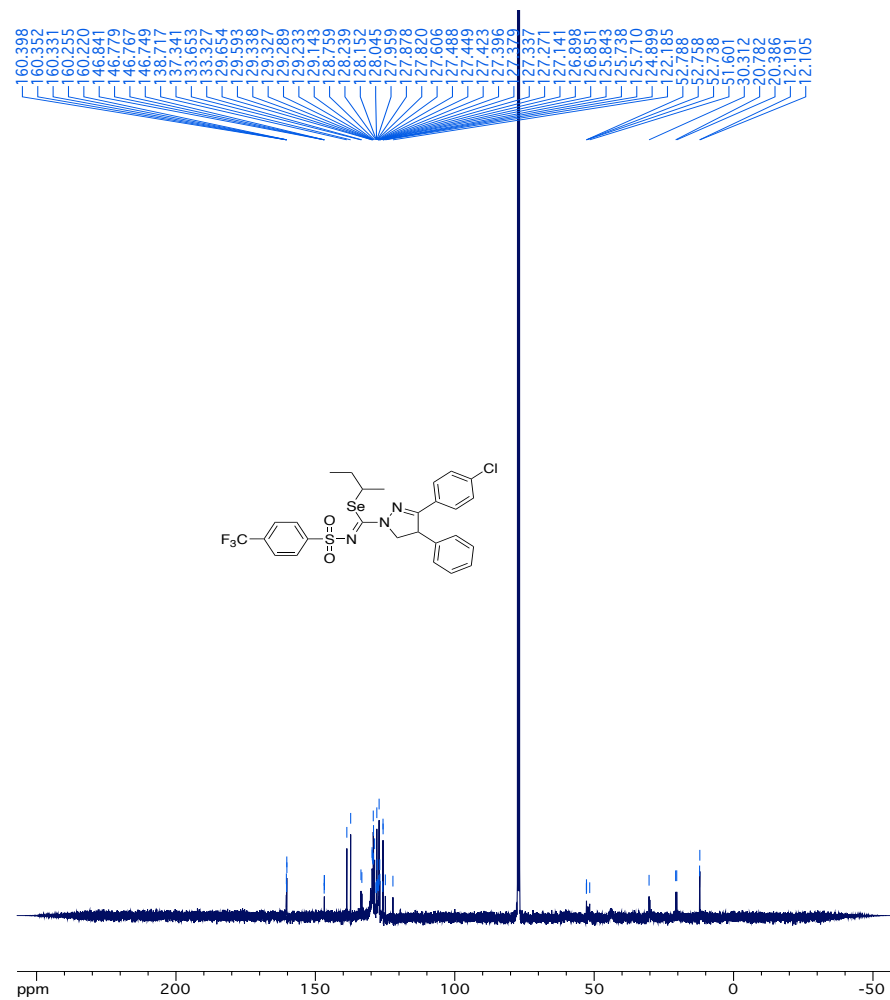
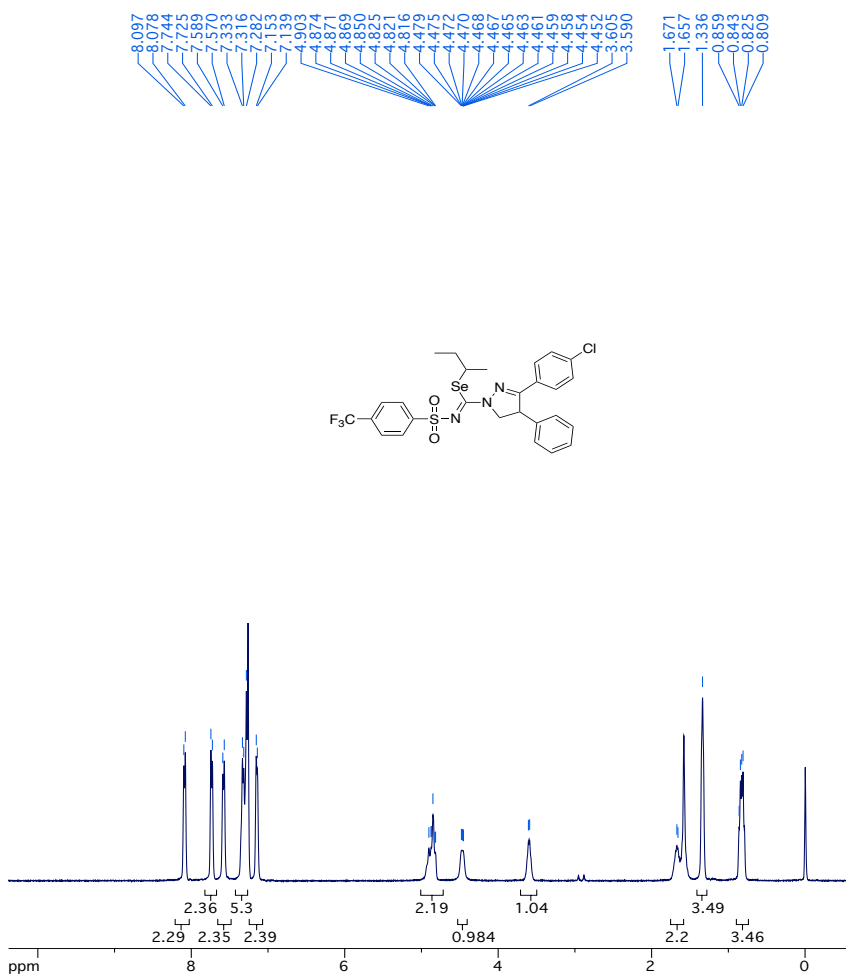


¹HNMR and ¹³CNMR of **21**

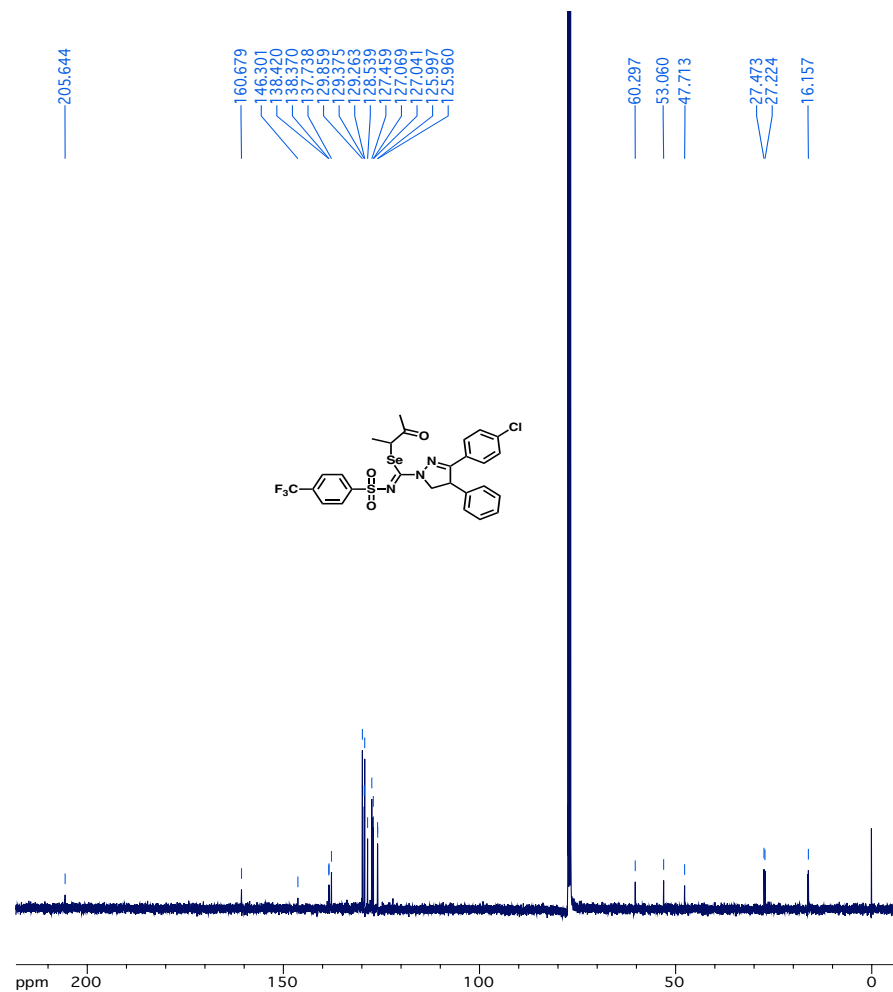
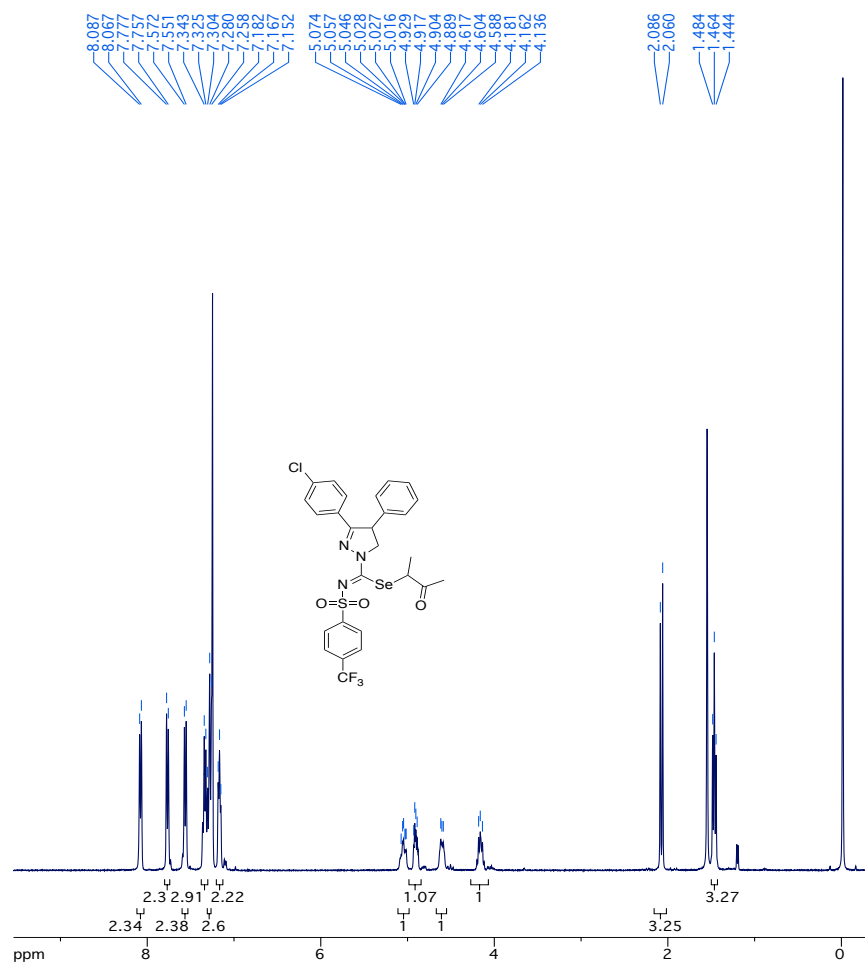


¹HNMR and ¹³CNMR of **22**

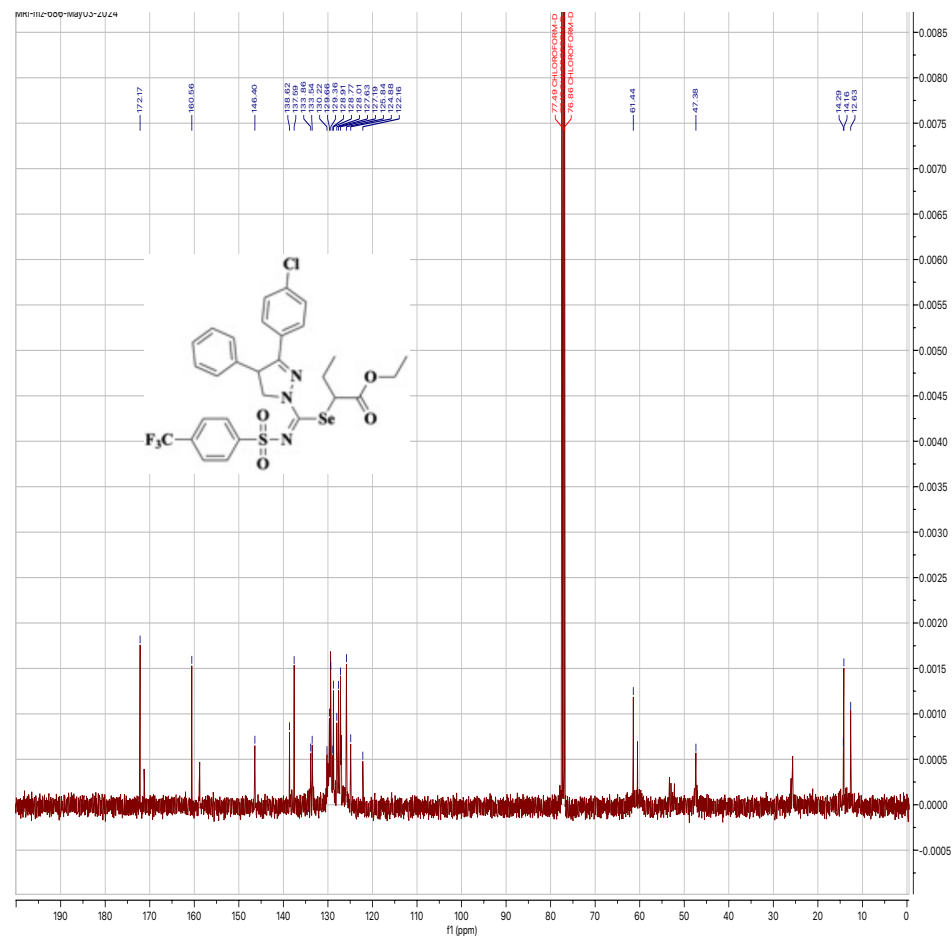
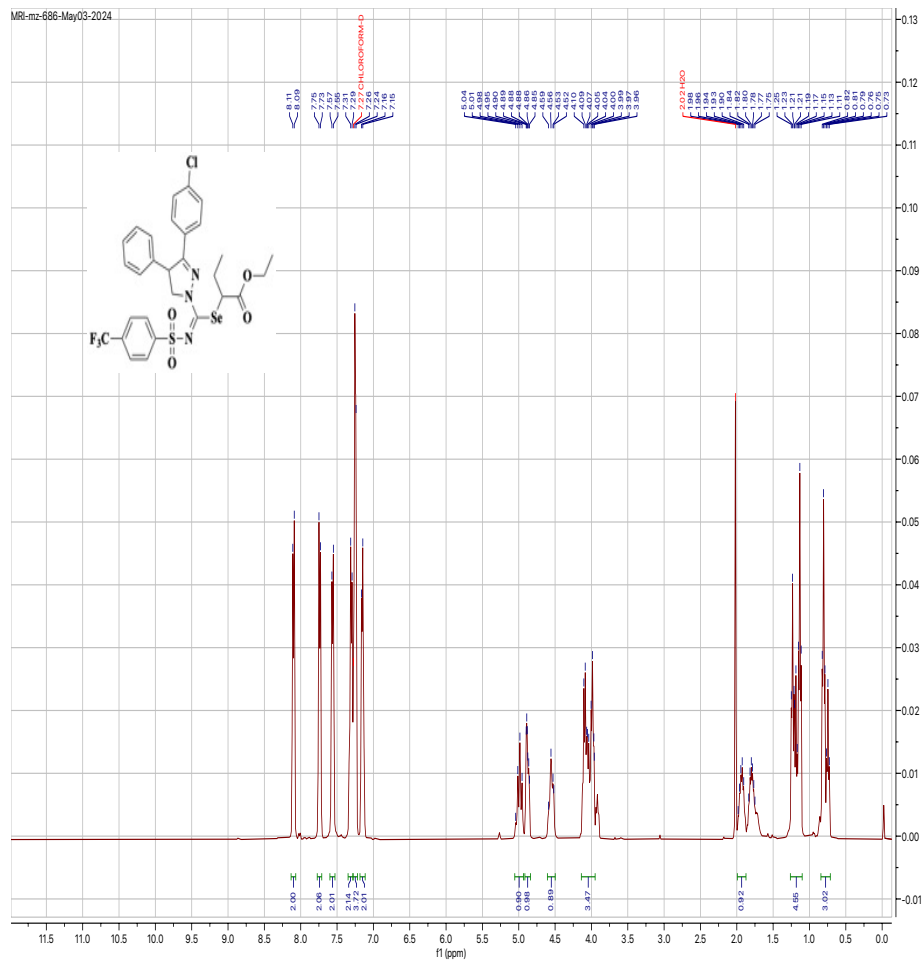


^1H NMR and ^{13}C NMR of **23**

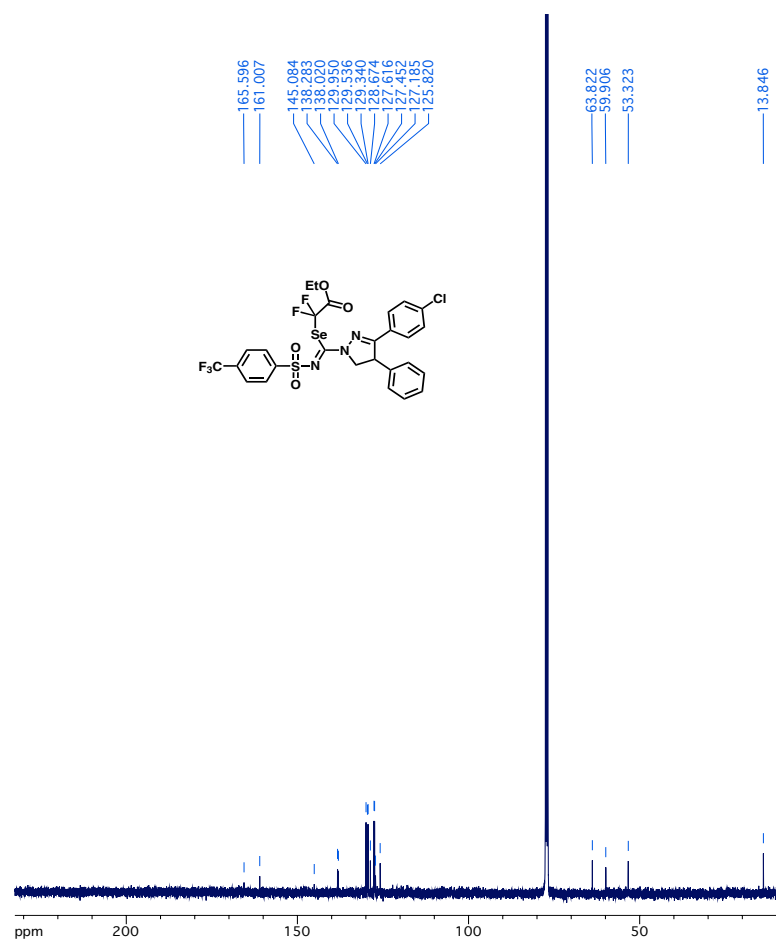
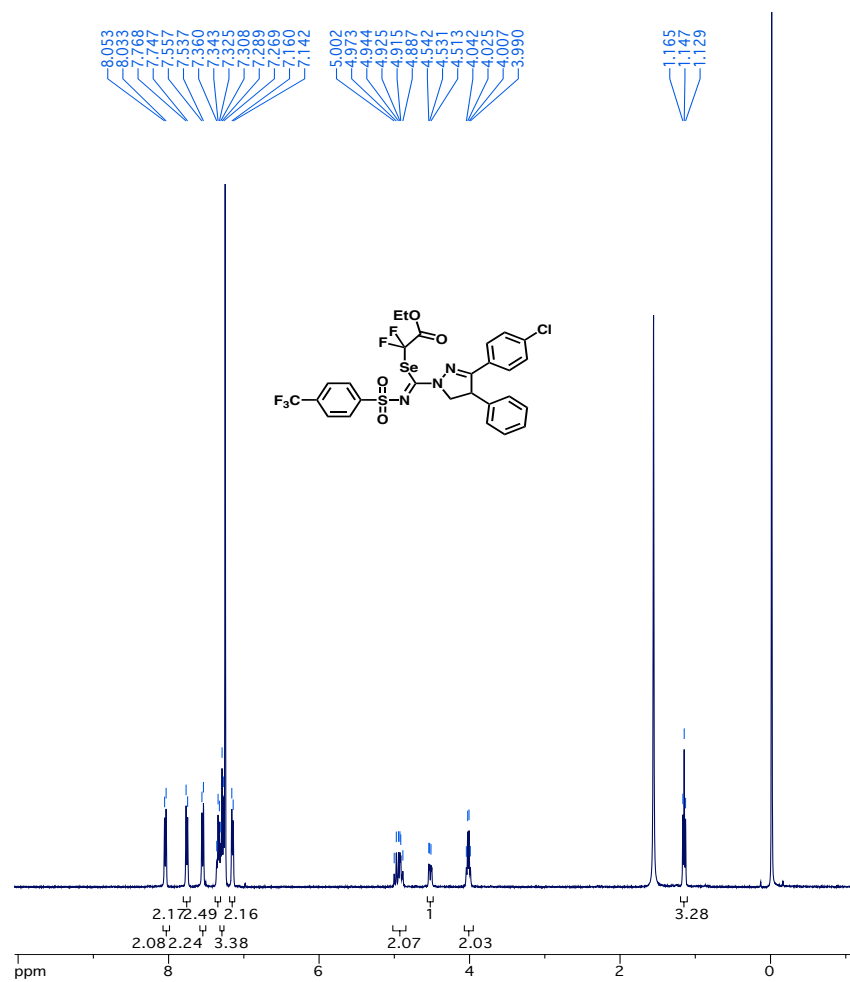
¹HNMR and ¹³CNMR of **24**



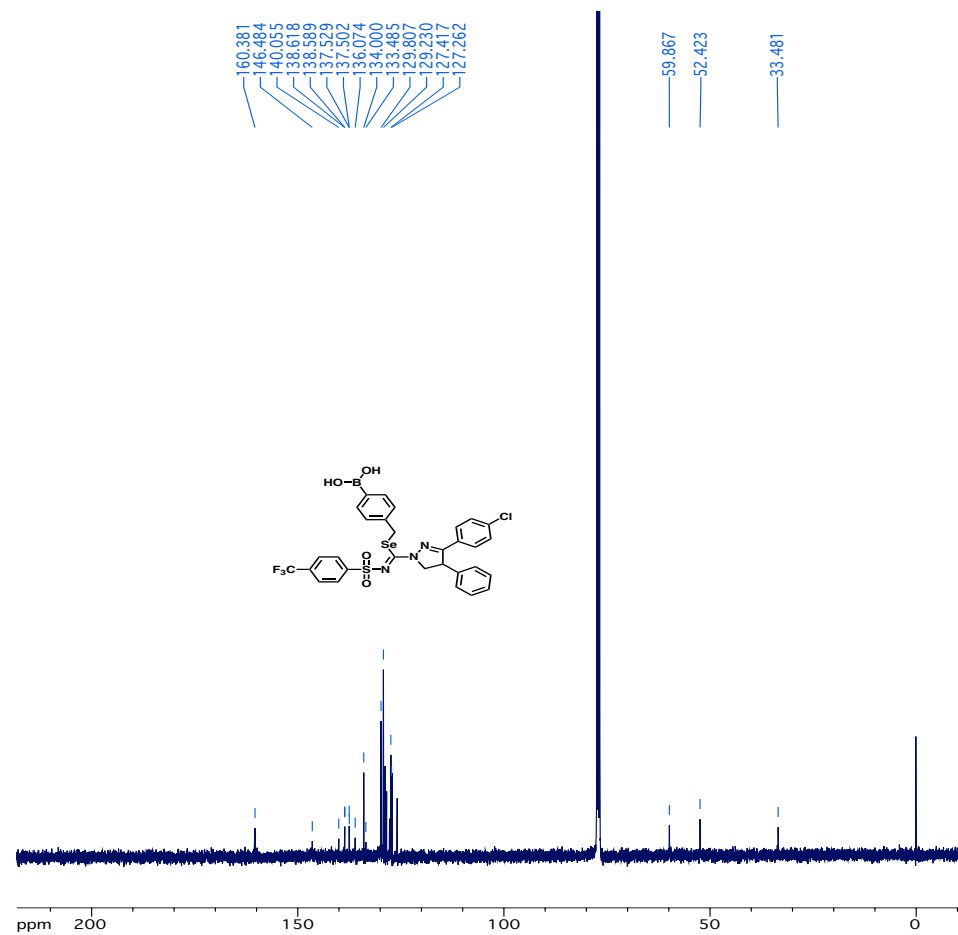
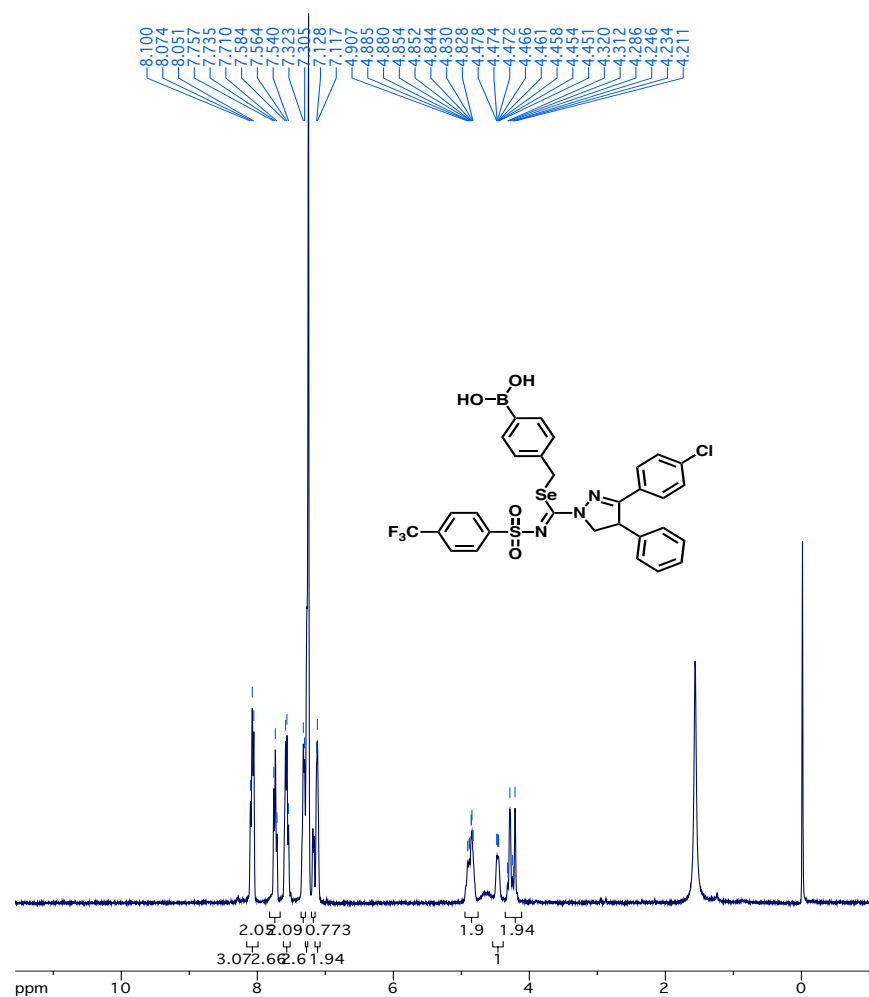
¹HNMR and ¹³CNMR of **25**



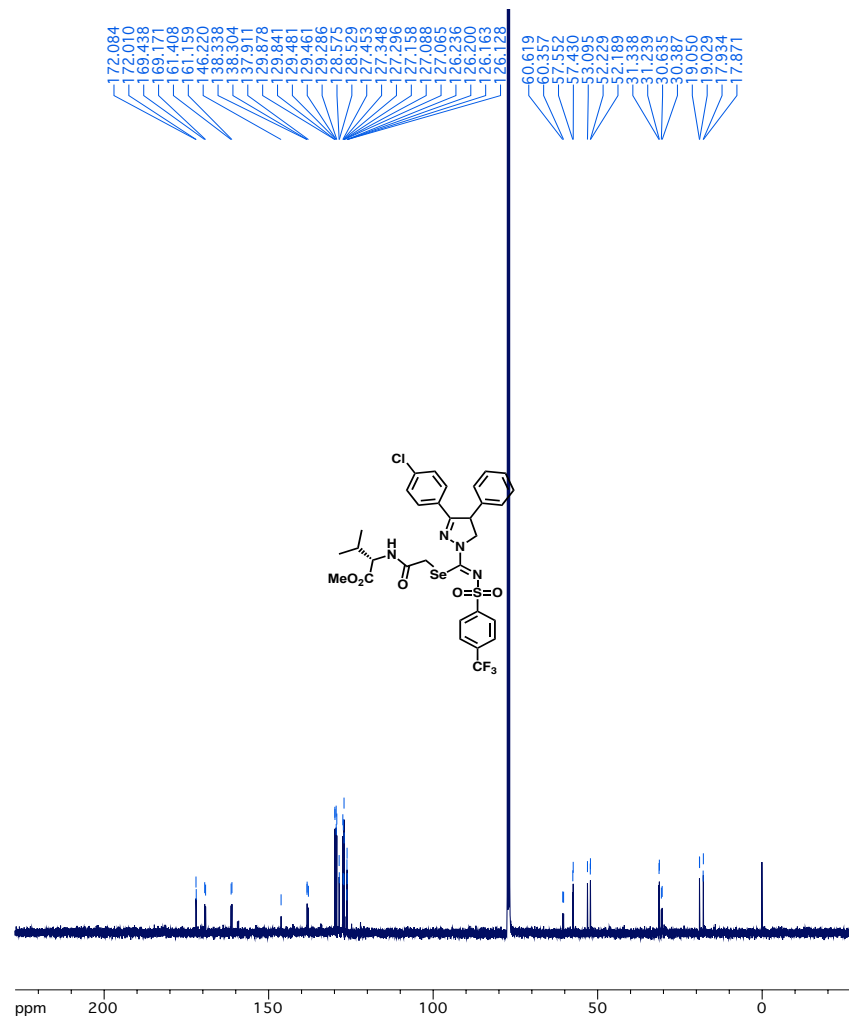
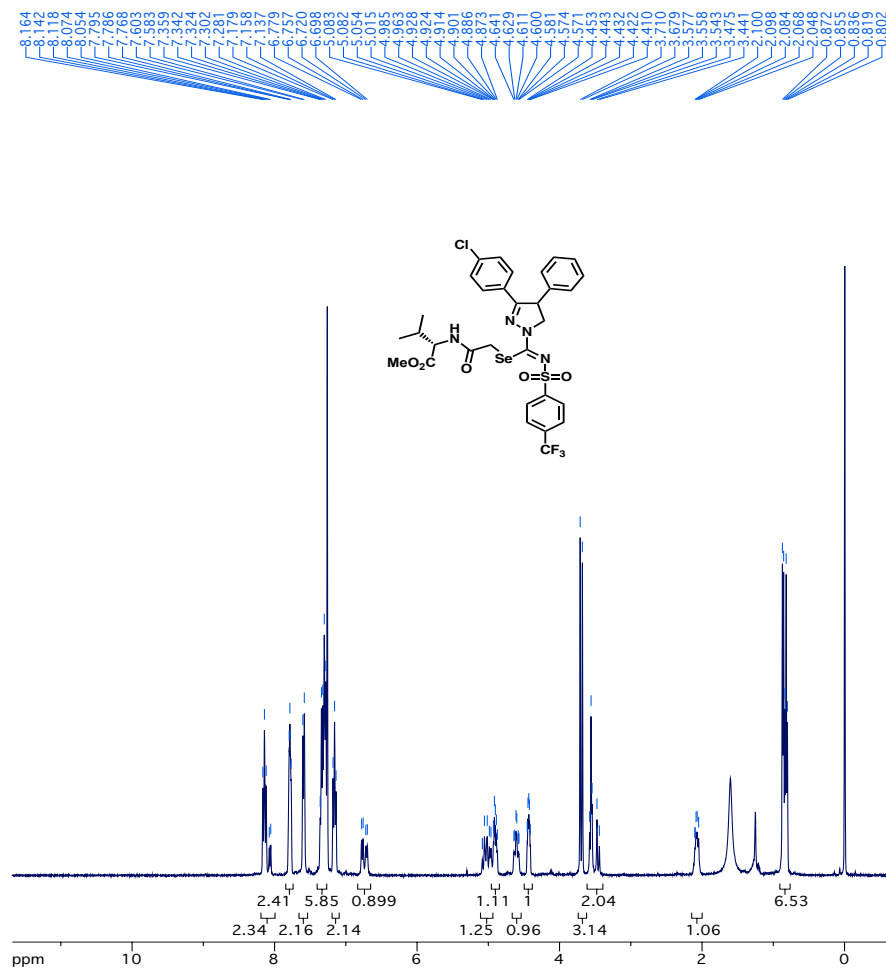
¹HNMR and ¹³CNMR of **26**



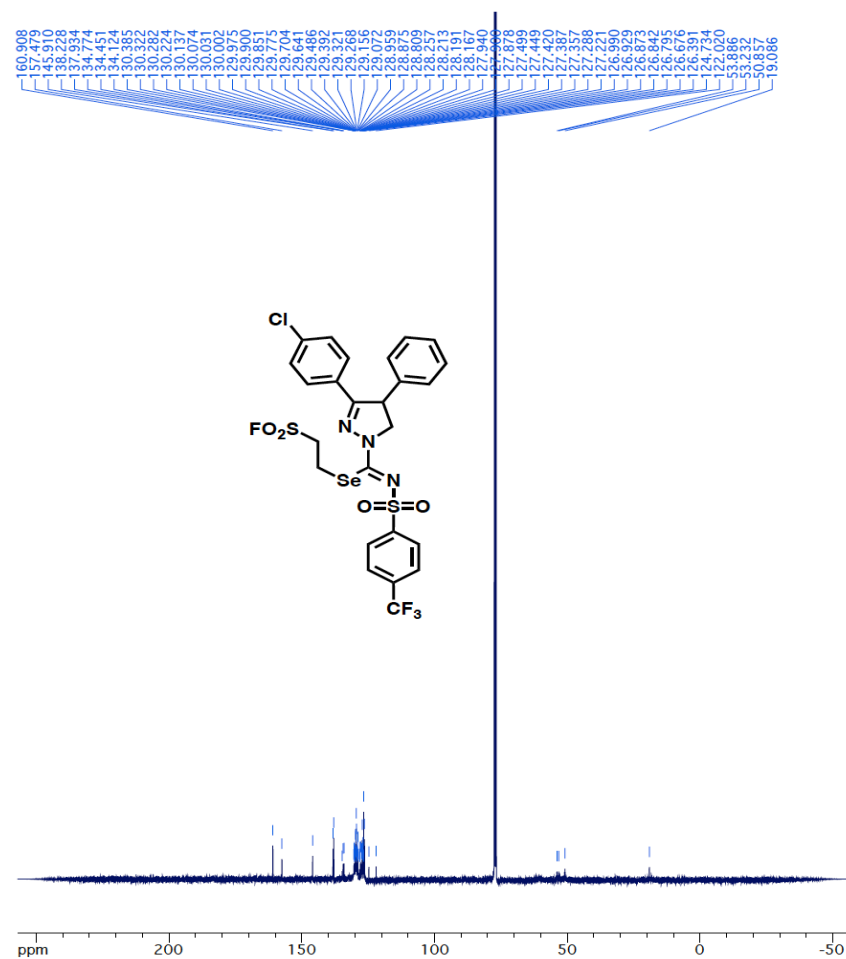
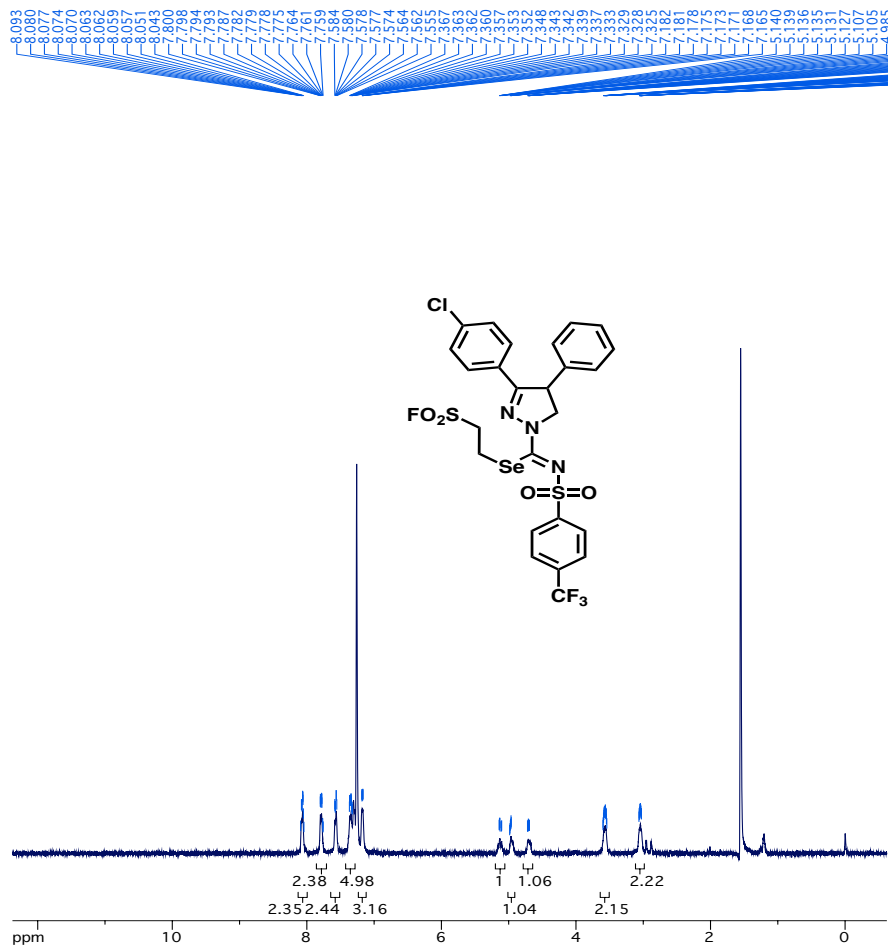
¹HNMR and ¹³CNMR of **27**



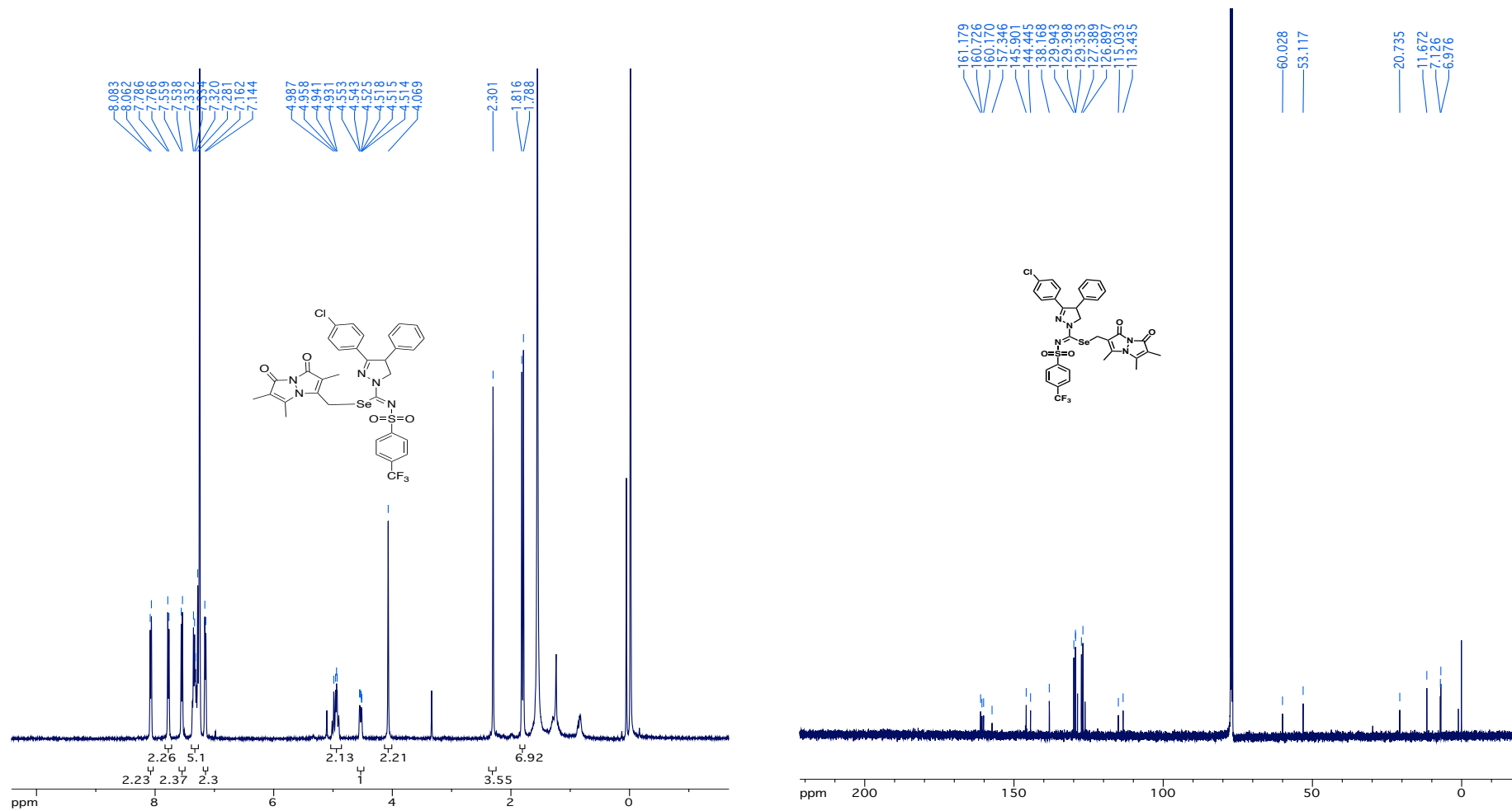
¹HNMR and ¹³CNMR of **28**

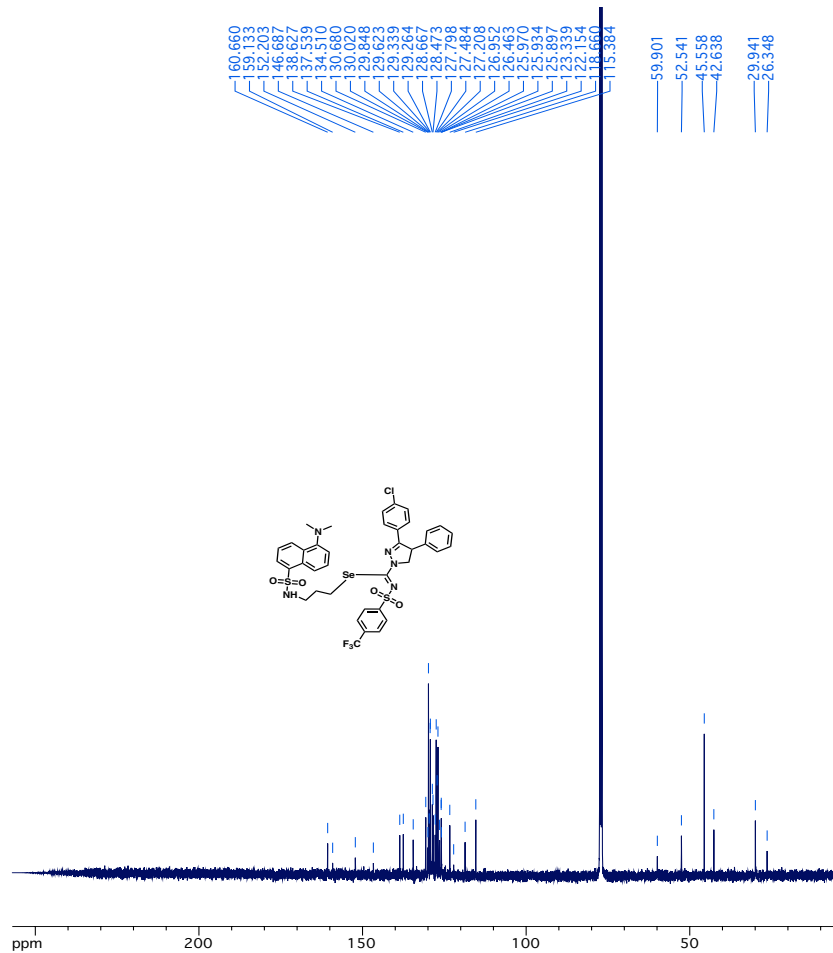
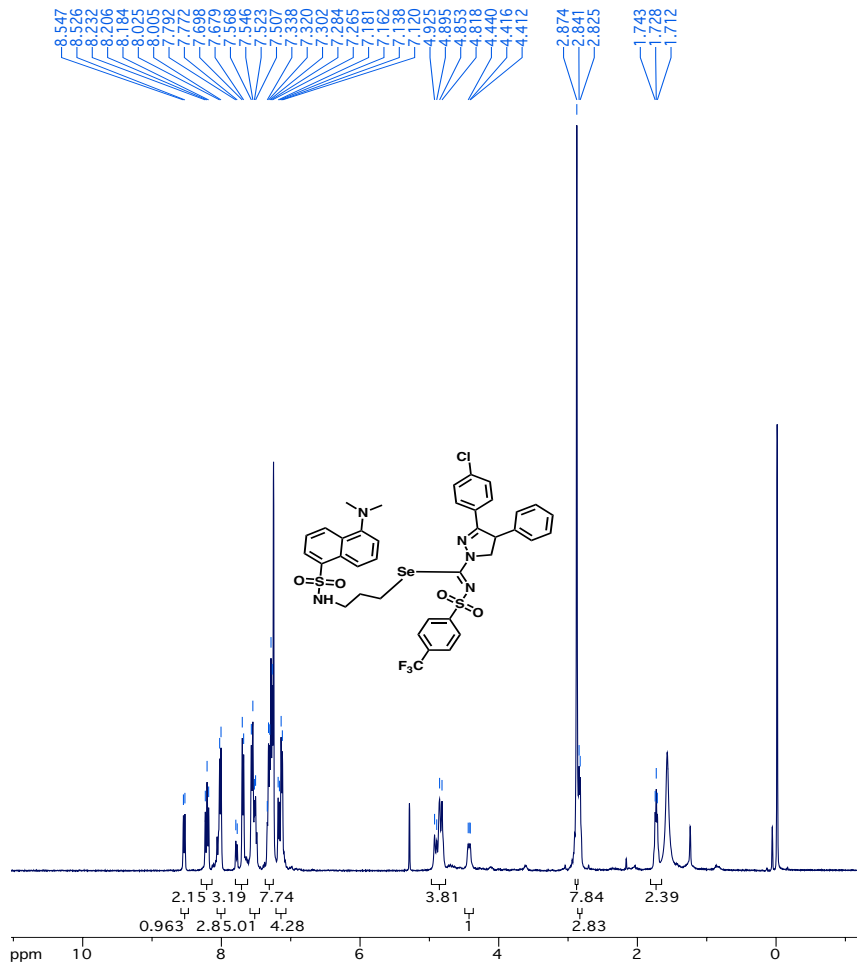


¹HNMR and ¹³CNMR of **29**

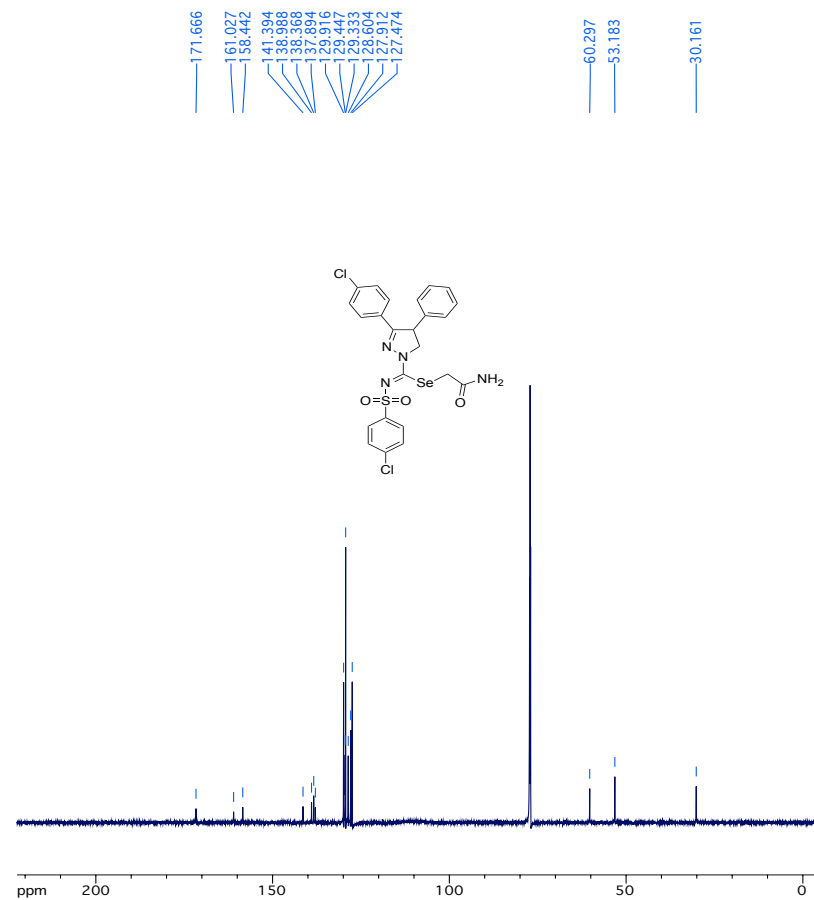
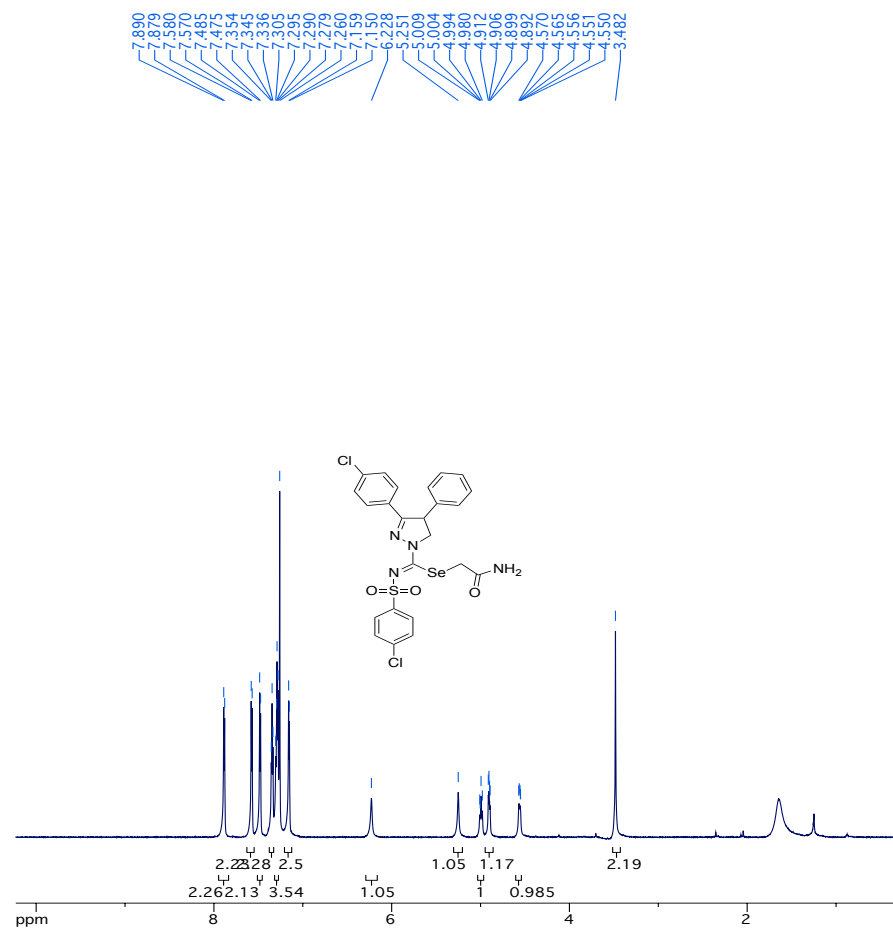


¹HNMR and ¹³CNMR of **30**

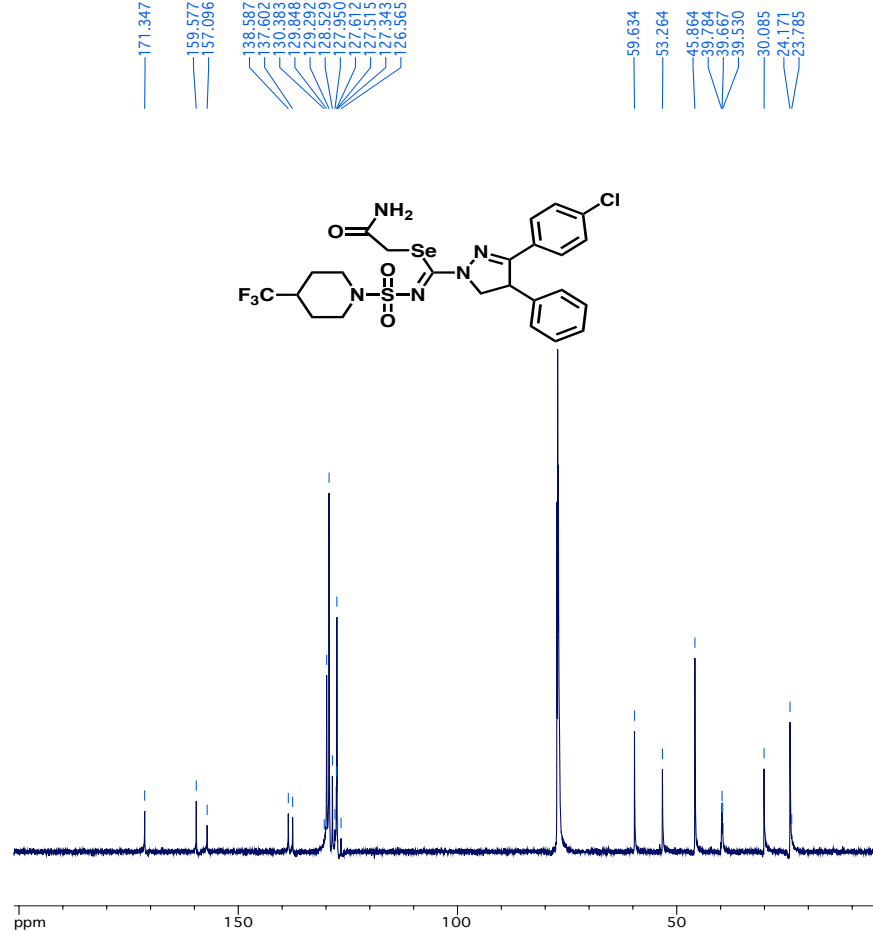
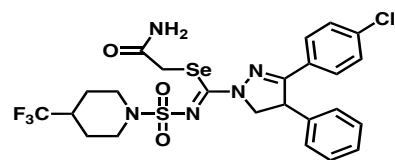
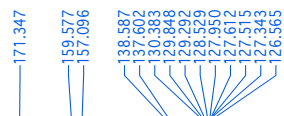
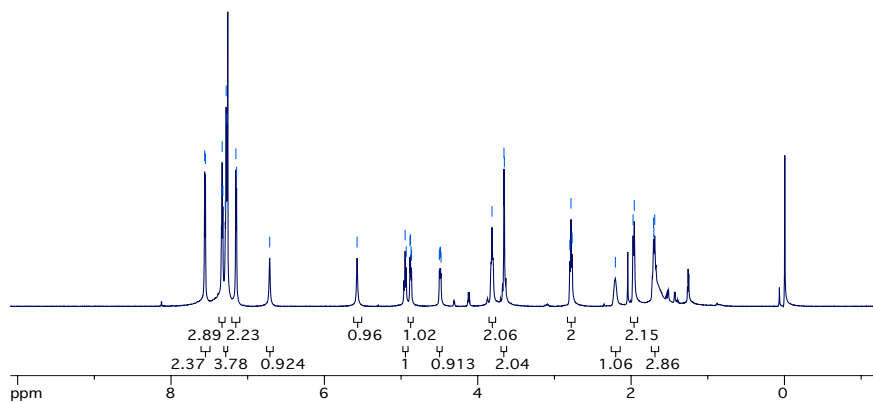
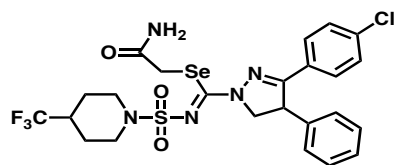


^1H NMR and ^{13}C NMR of **31**

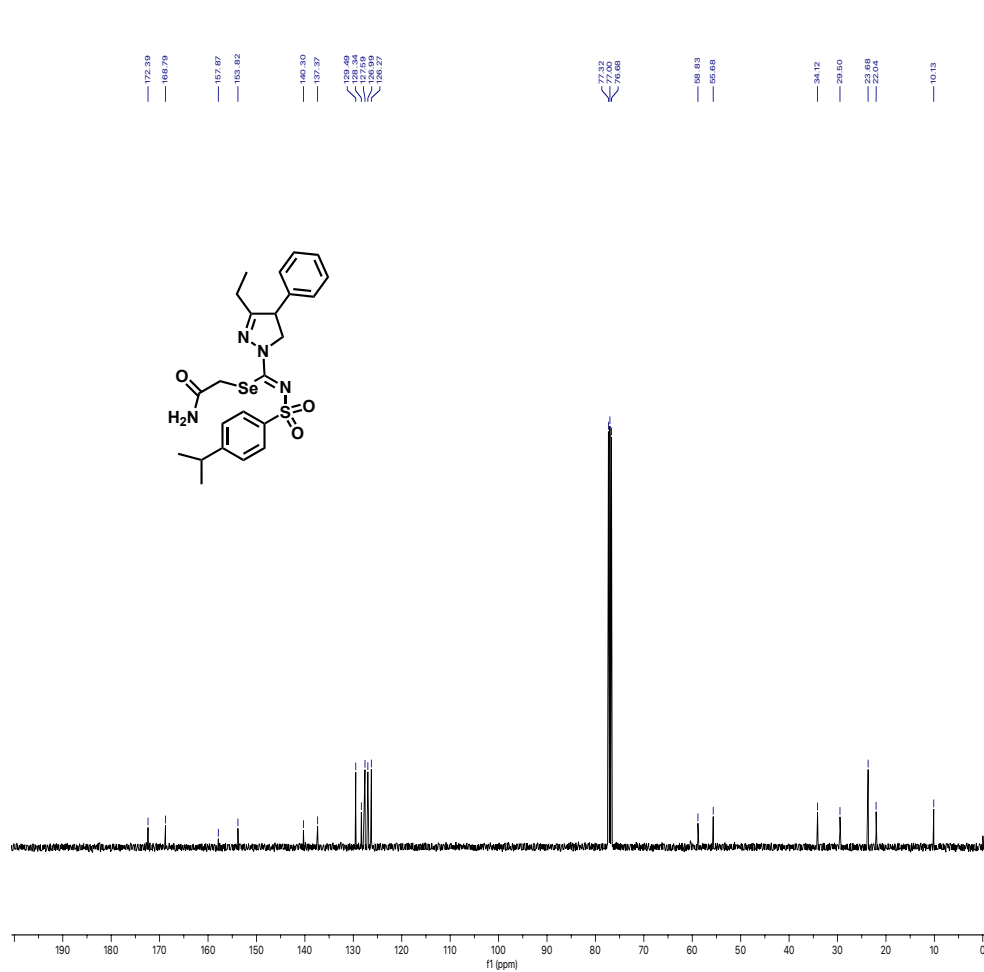
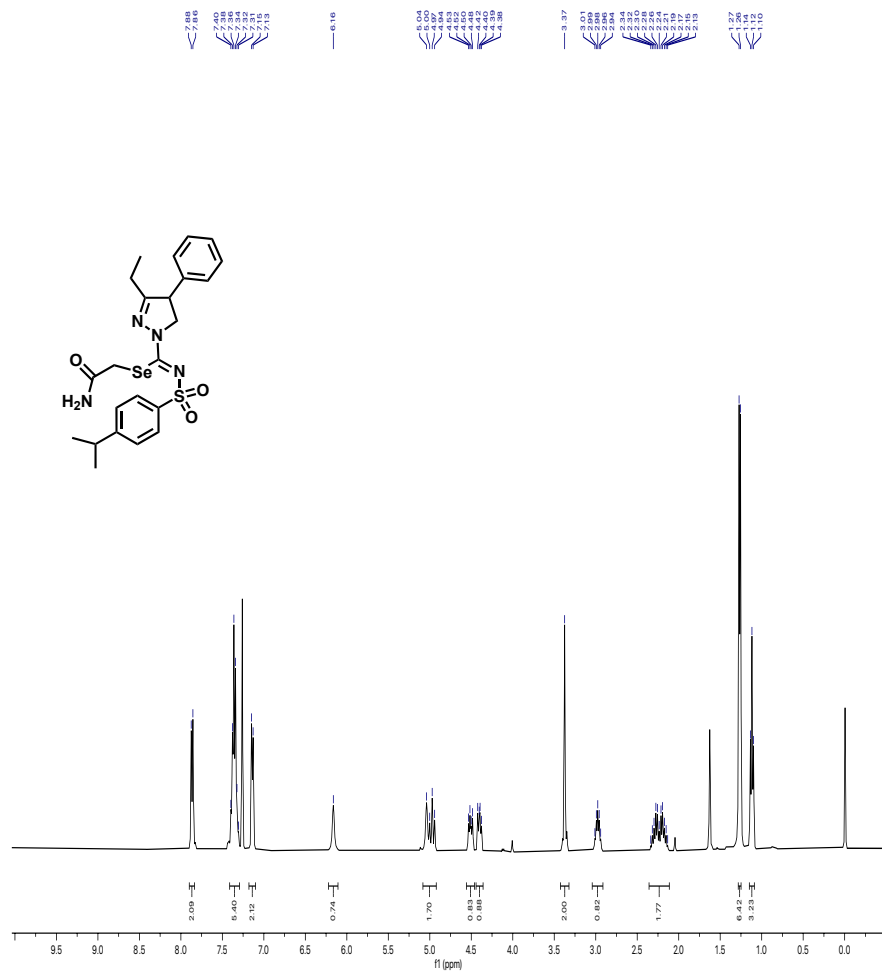
¹HNMR and ¹³CNMR of **32**



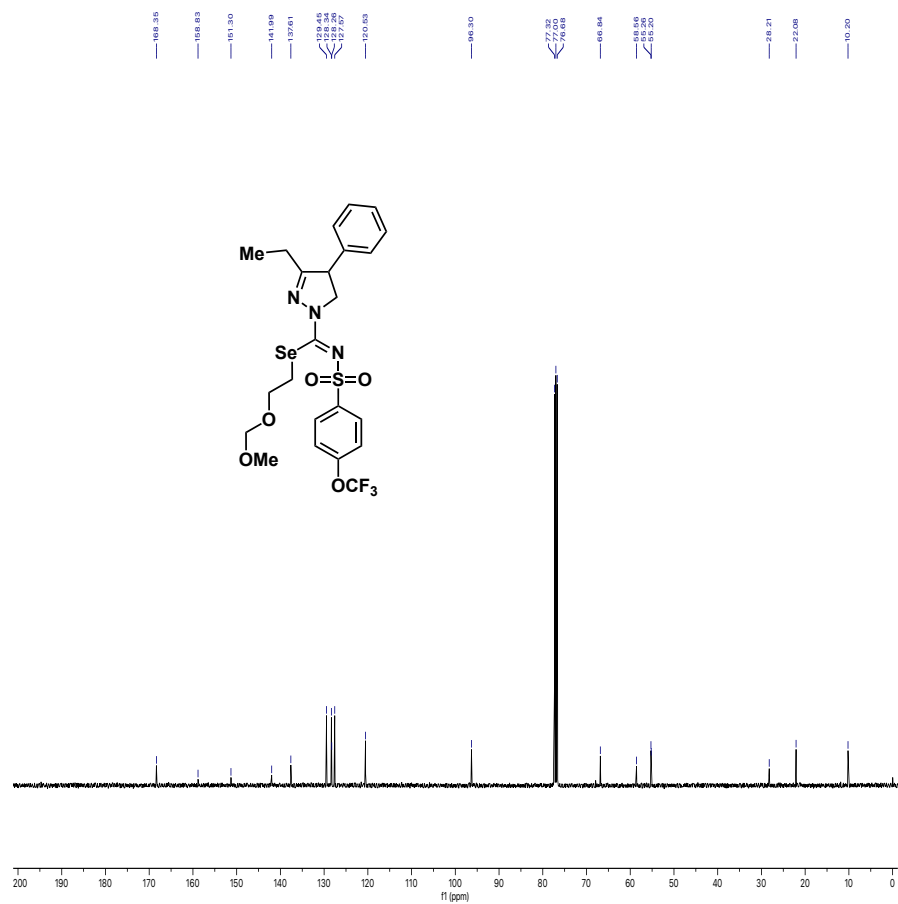
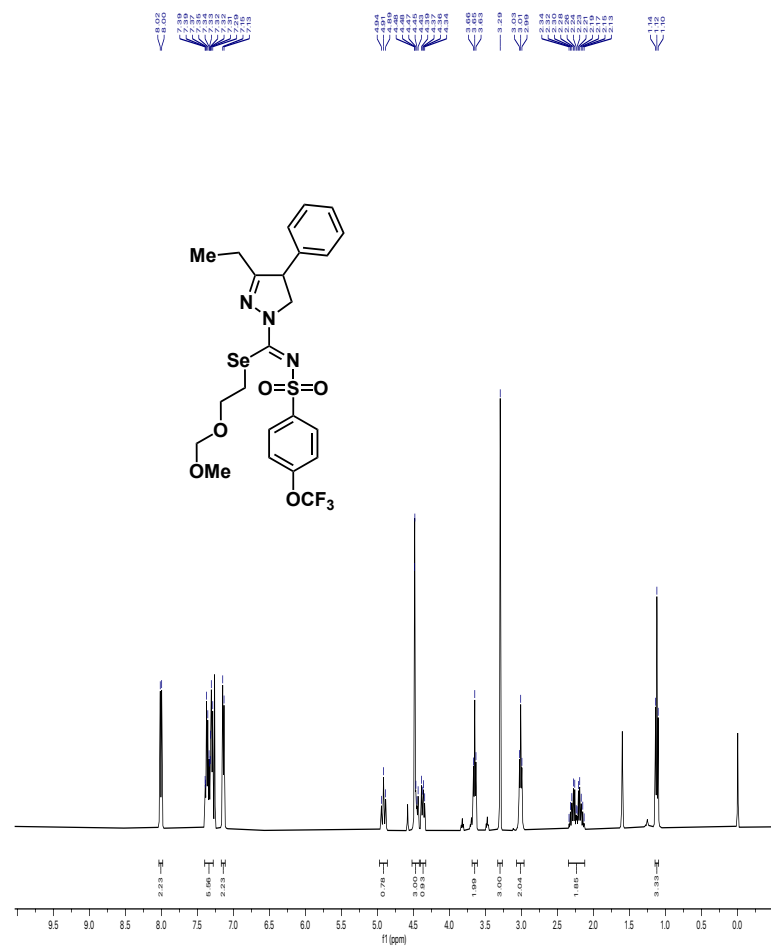
¹HNMR and ¹³CNMR of **33**

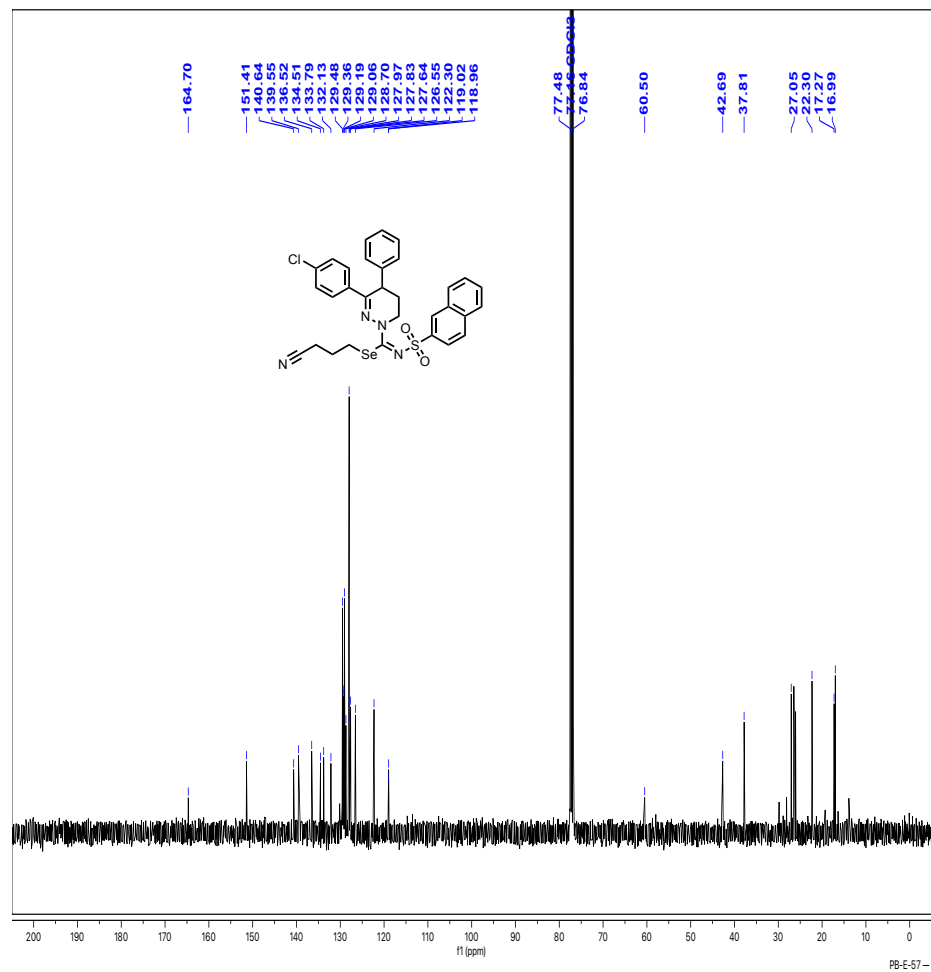
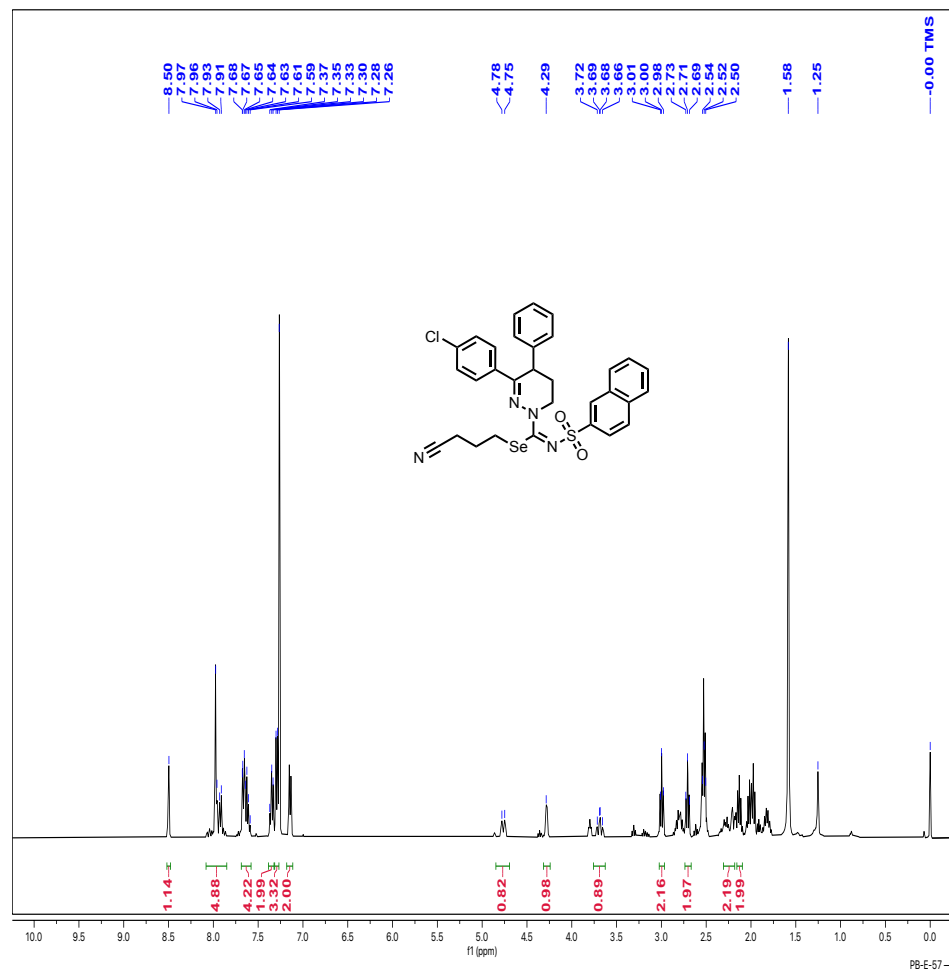


¹HNMR and ¹³CNMR of **34**

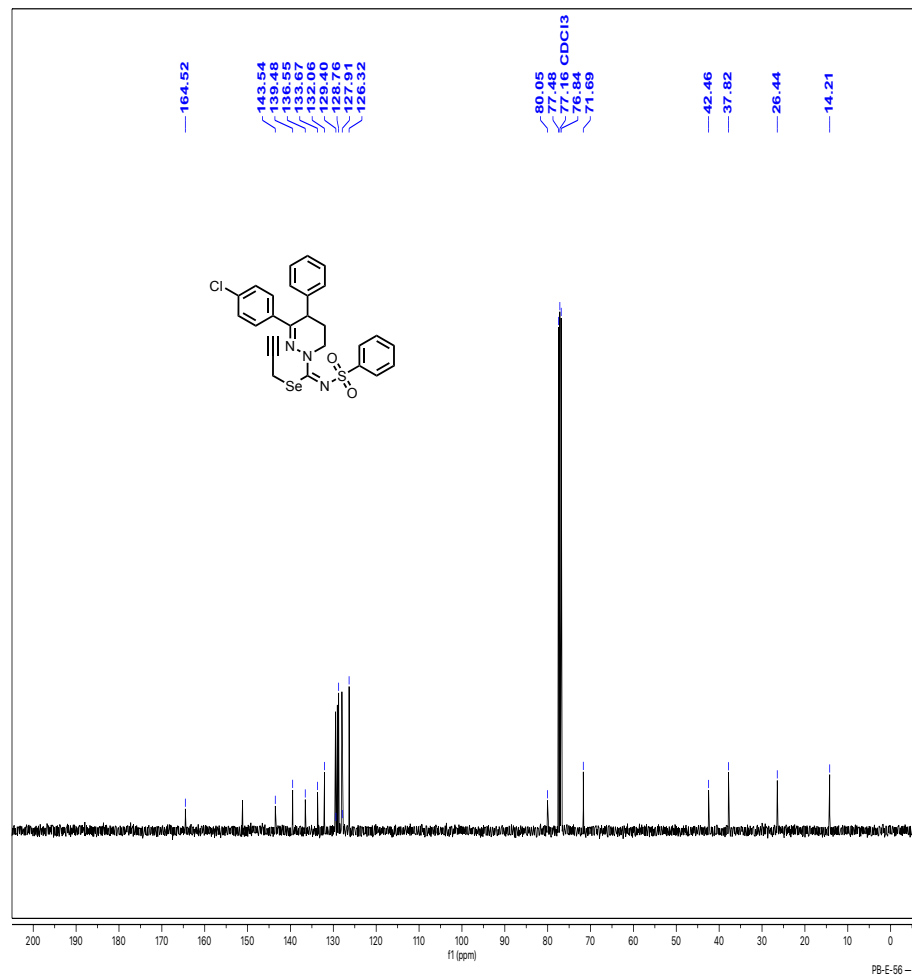
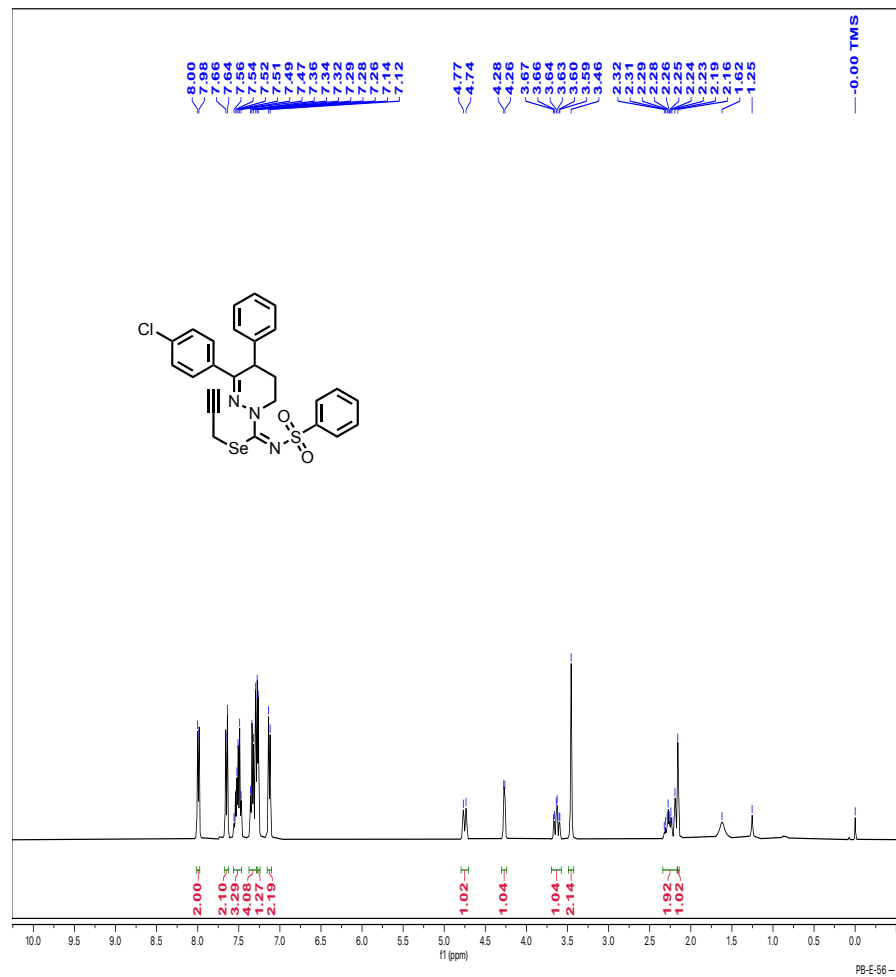


¹HNMR and ¹³CNMR of **35**

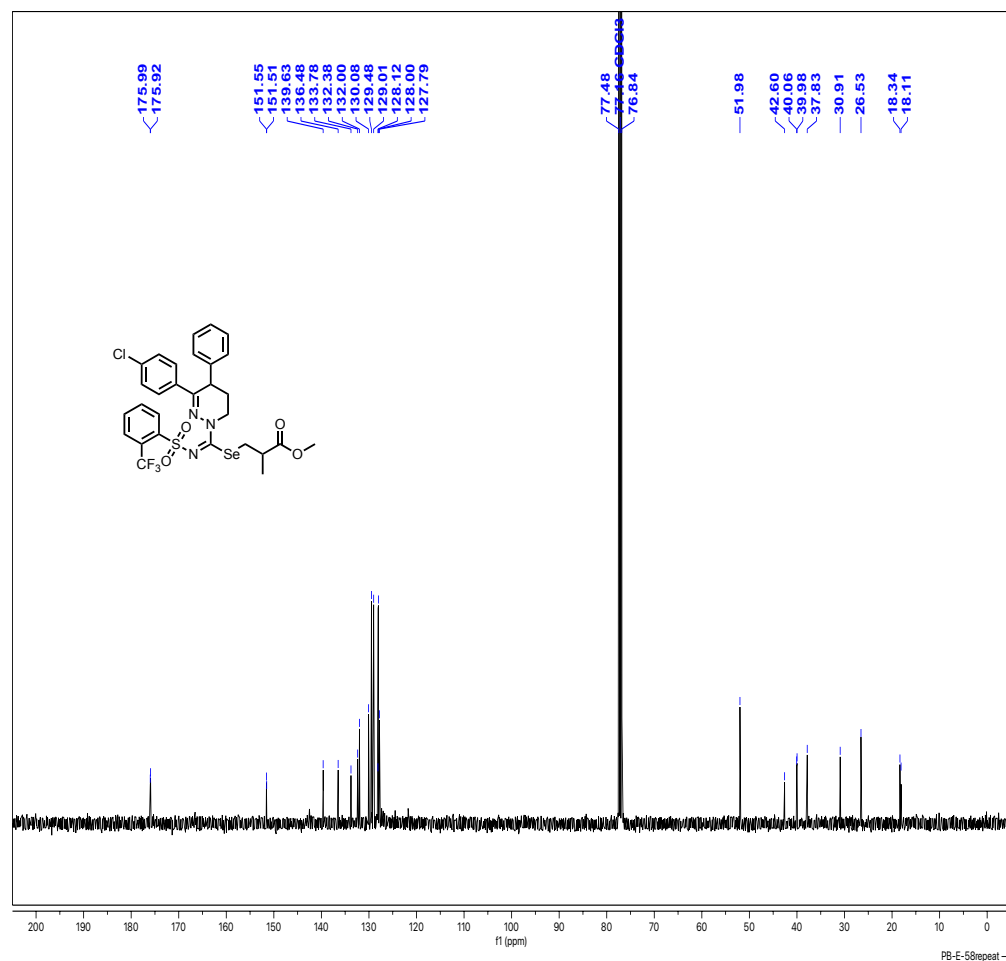
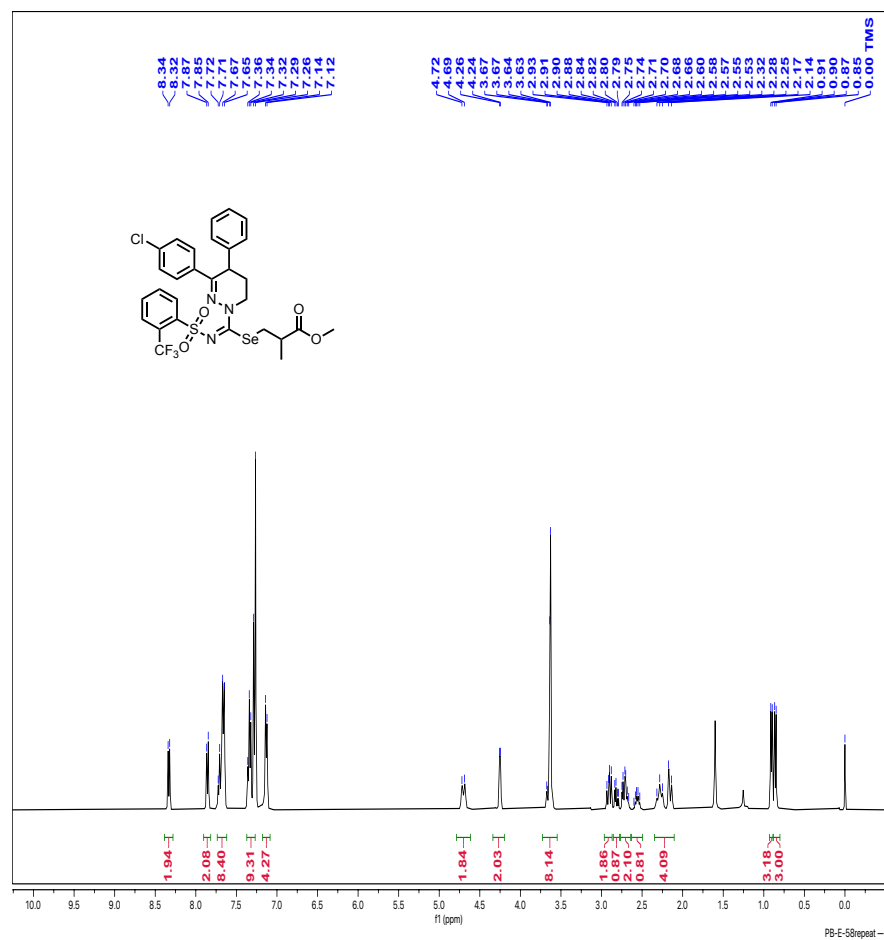


¹H NMR and ¹³C NMR of **36**

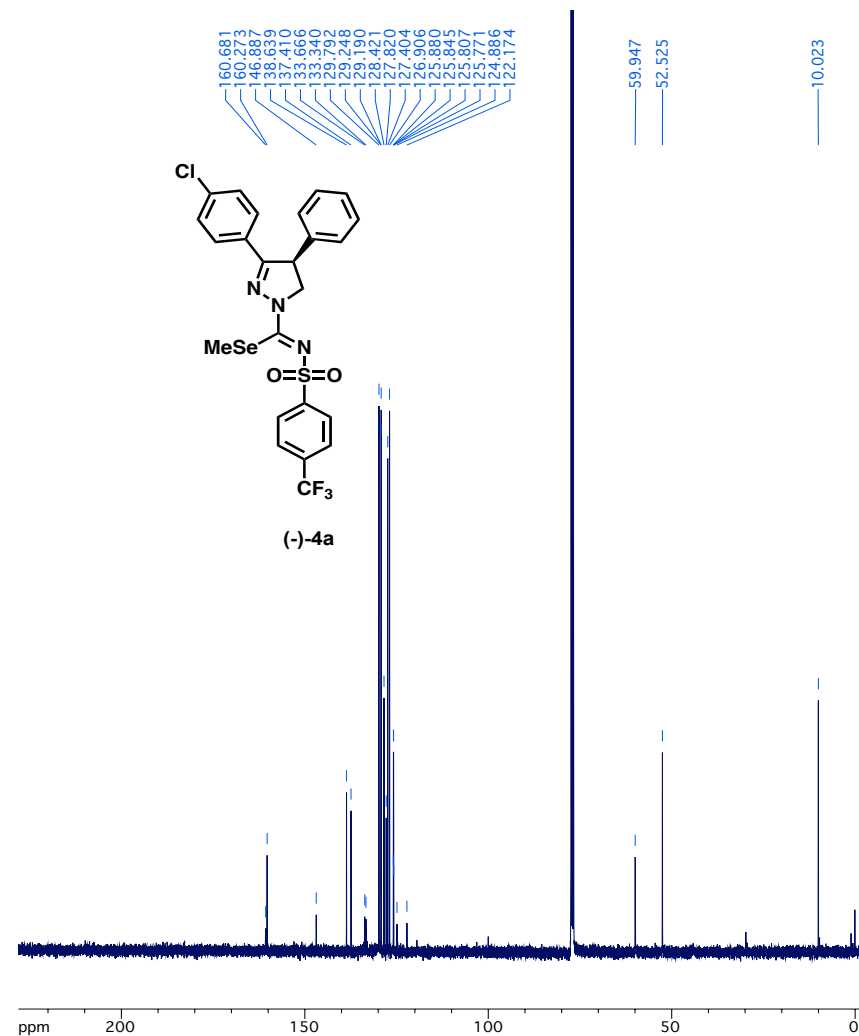
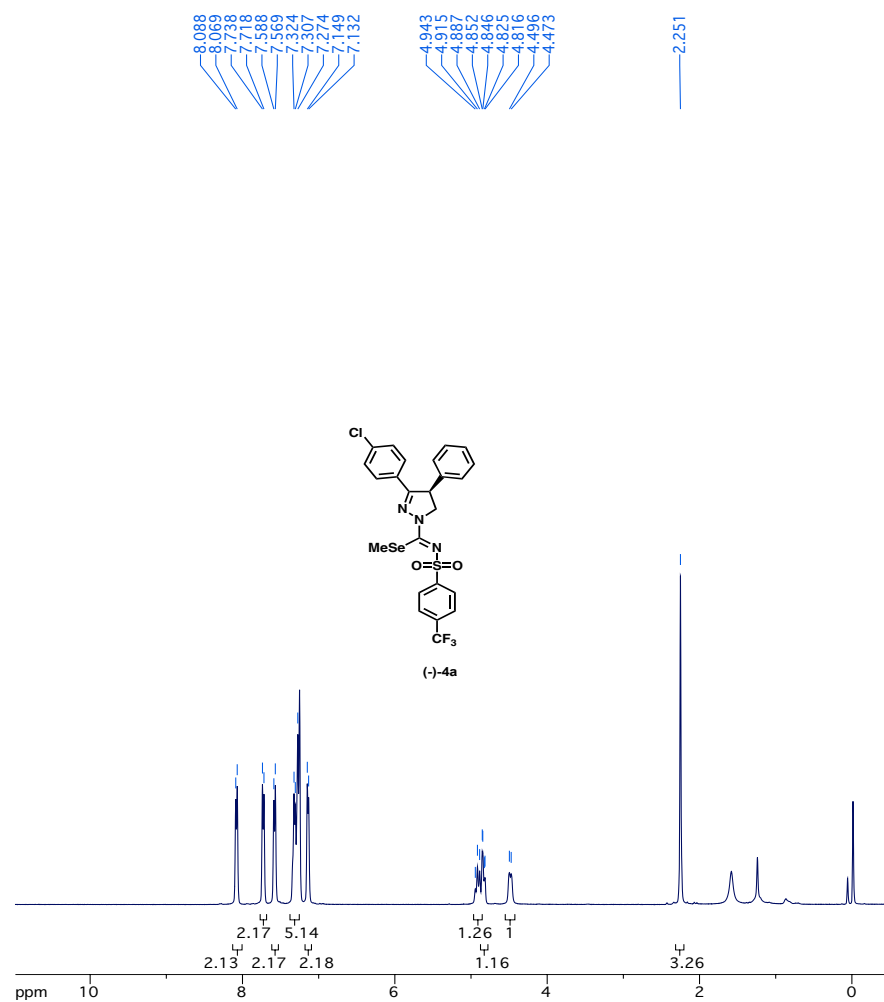
¹HNMR and ¹³CNMR of **37**



¹HNMR and ¹³CNMR of **38**



¹HNMR and ¹³CNMR of (-)-4a



¹H NMR and ¹³C NMR of (-)-**12**

