Supporting Information for:

Antioxidant and antiproliferative activities of 1,2,3-triazolyl-L-ascorbic acid derivatives

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[2] University of Zagreb, Department of Organic Chemistry, Faculty of Chemical Engineering and Technology, Marulićev trg 20, 10000 Zagreb, Croatia

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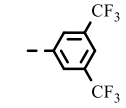
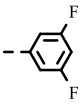
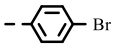
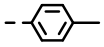
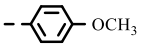
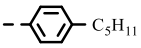
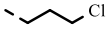
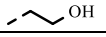
Contents:

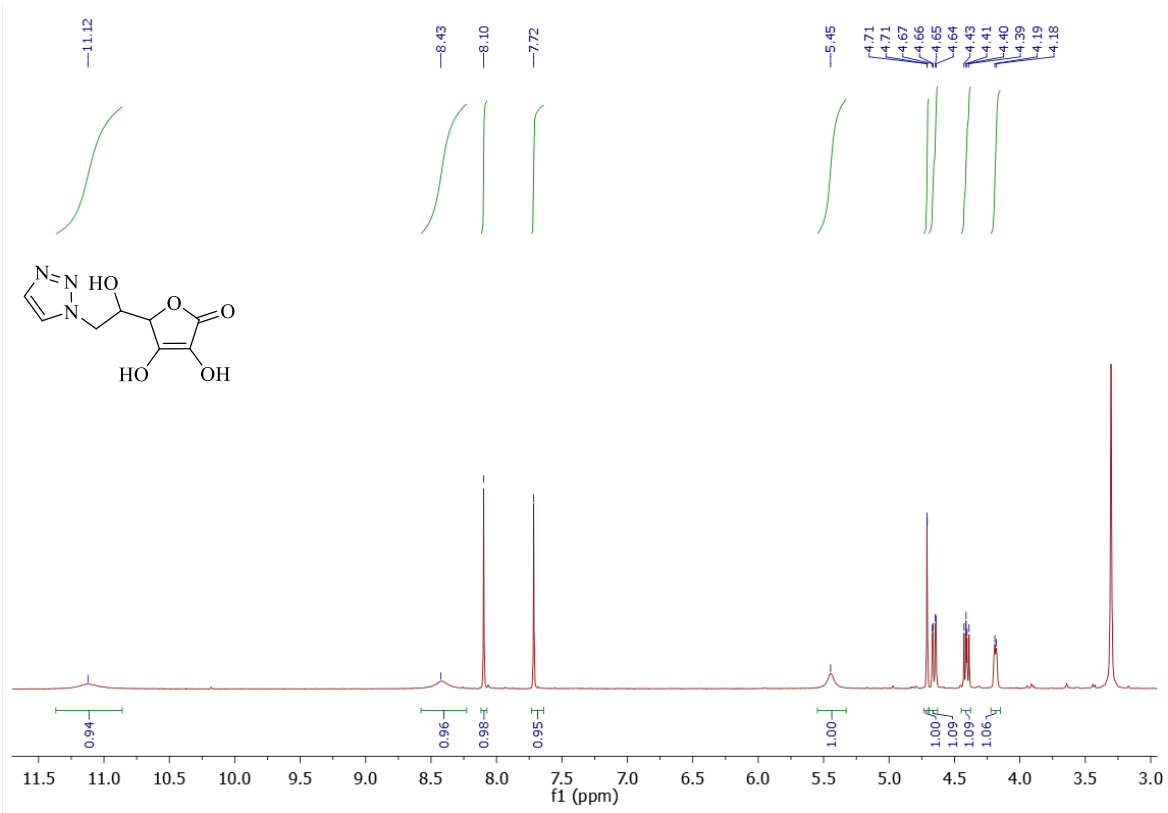
Table S1. The growth-inhibition effects *in vitro* presented as IC50[a] (μM) for tested compounds **7c-7g** and **7i-7q** on selected tumour cell lines and normal fibroblasts.

Comp	R/X	IC_{50}[a] (μM)								clogP[b]
		A549	CFPAC-1	HCT-116	HeLa	HepG2	MCF-7	SW620	WI-38	
7c		>100	>100	>100	>100	>100	>100	>100	>100	1.67
7d		>100	>100	>100	>100	>100	>100	>100	>100	0.17
7e		>100	>100	>100	>100	>100	>100	>100	>100	0.69
7f		>100	>100	>100	>100	>100	>100	>100	>100	0.31
7g		>100	>100	>100	>100	>100	>100	>100	>100	-0.10
7i		>100	>100	>100	>100	>100	>100	>100	>100	-0.38
7j		>100	>100	>100	>100	>100	>100	>100	>100	-0.38
7k		>100	>100	>100	>100	>100	>100	>100	>100	2.09
7l		>100	>100	>100	>100	>100	>100	>100	>100	-0.62
7m		>100	>100	>100	>100	>100	>100	>100	>100	-0.06
7n		>100	>100	>100	>100	>100	>100	>100	>100	2.67
7o		>100	>100	>100	>100	>100	>100	>100	>100	-0.15
7p		>100	>100	>100	>100	>100	>100	>100	>100	-0.28
7q		>100	>100	>100	>100	>100	>100	>100	>100	-1.89

[a]IC_{50}: inhibitory concentration of compounds on human tumor cell lines and normal cell lines required inhibiting cells by 50%.
[b]Values of n-octanol/water partition coefficients clog P were calculated by DataWarrior [44].

Figure S1. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4b.**

a)



b)

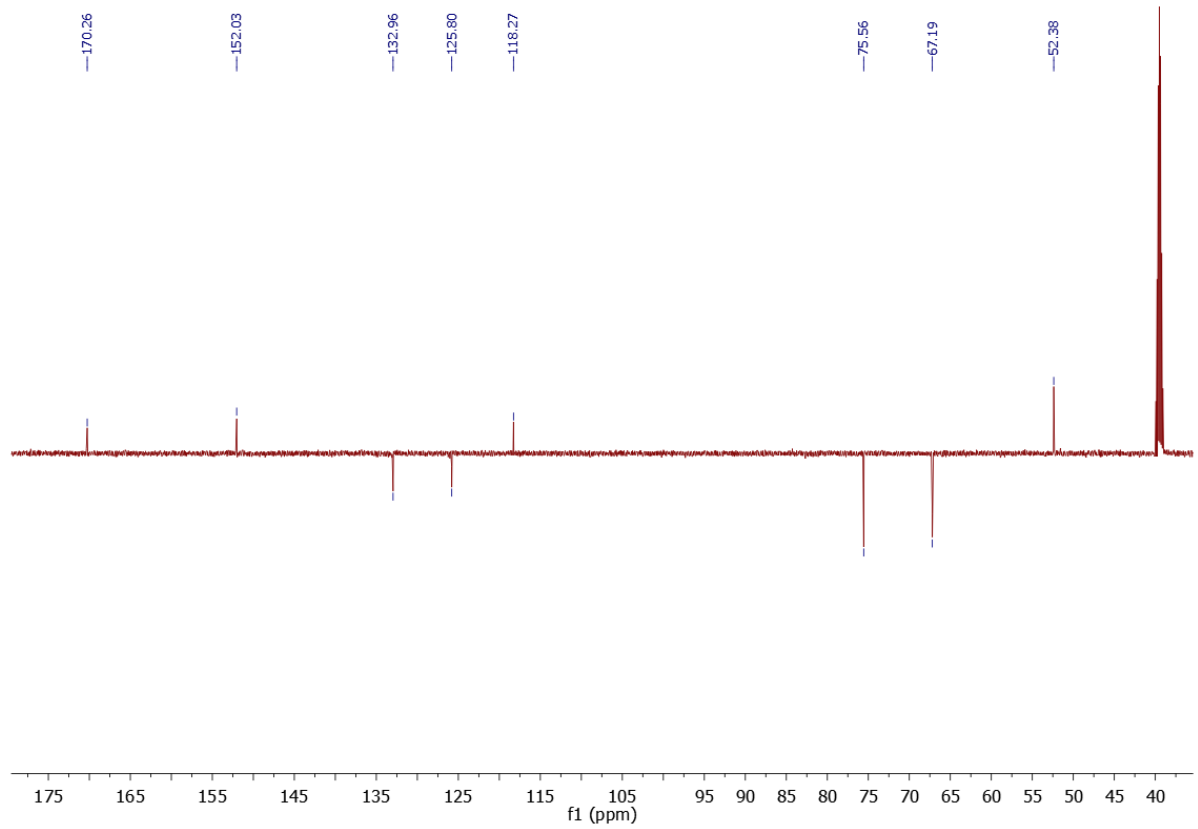
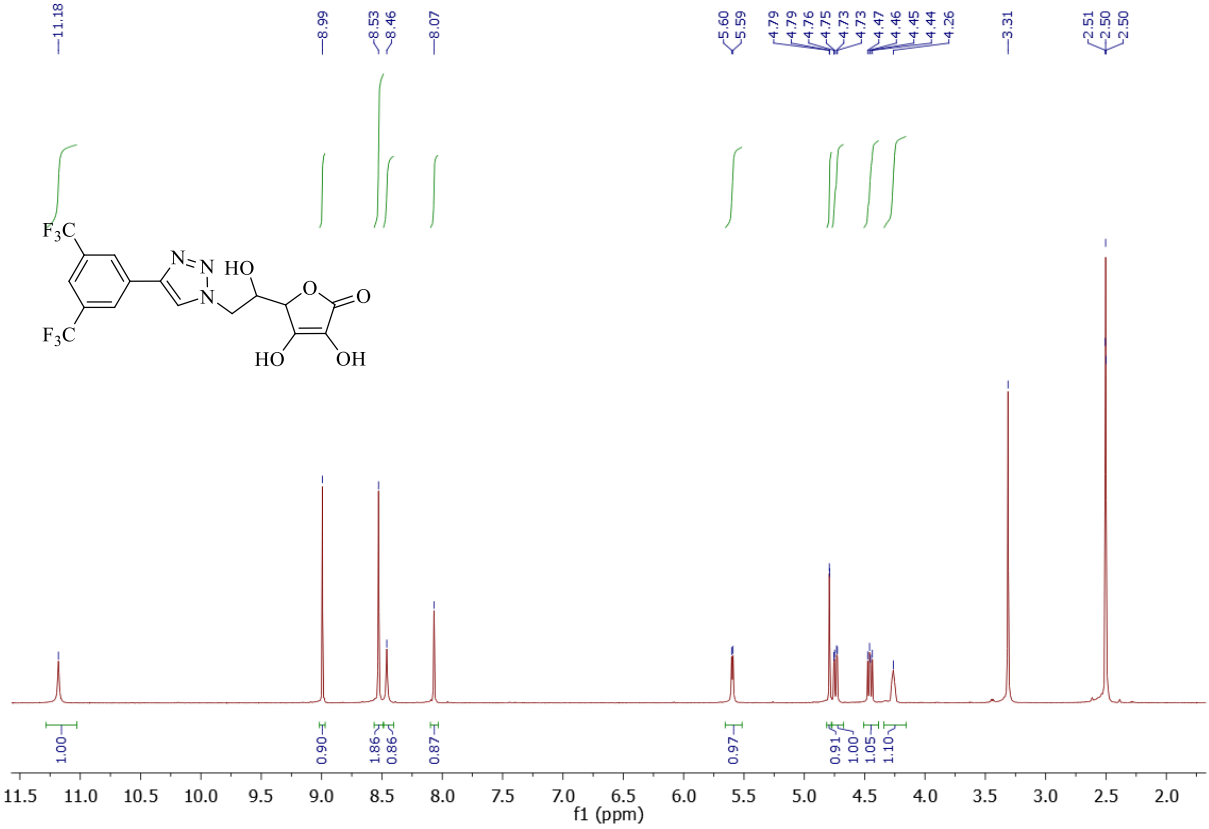


Figure S2. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4c**.

a)



b)

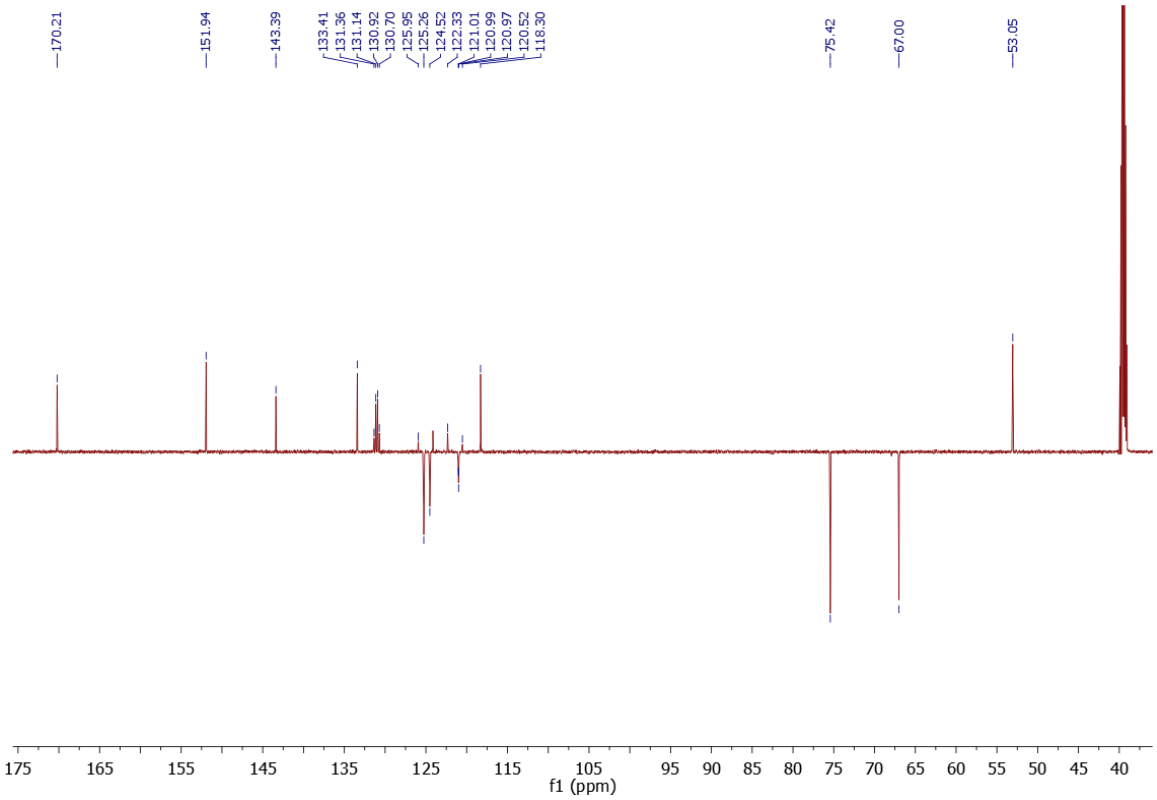
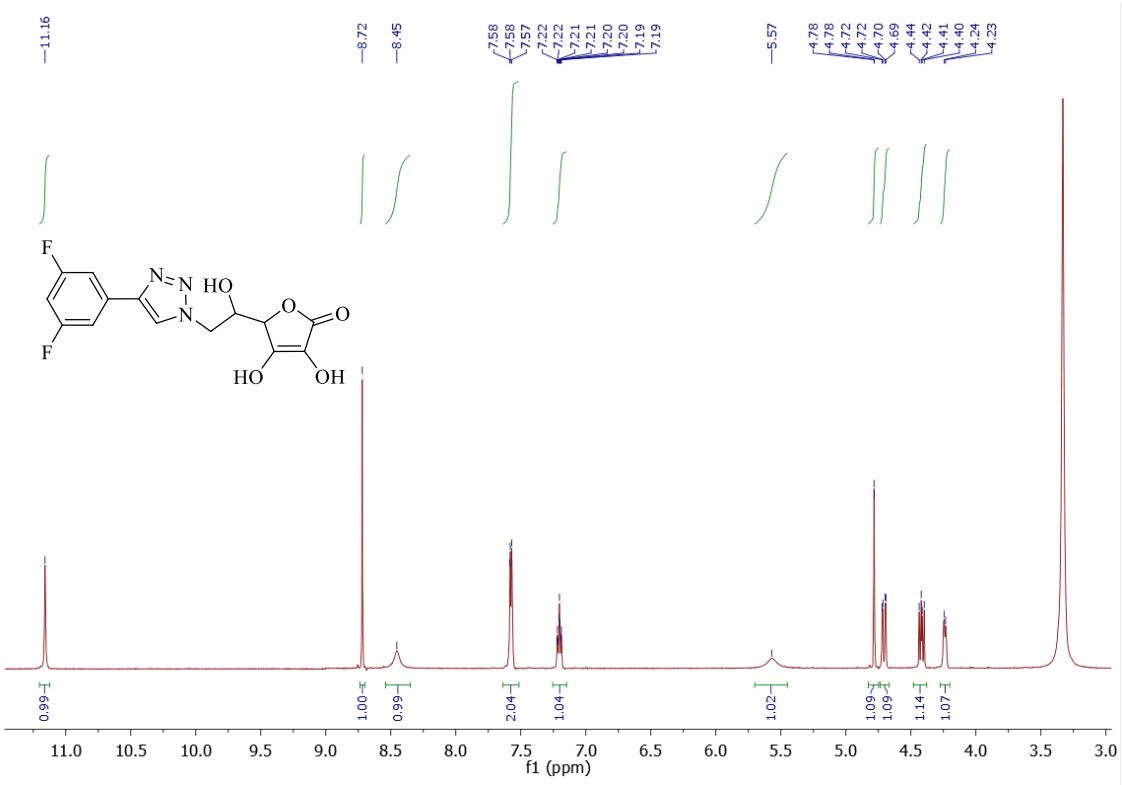


Figure S3. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4d.**

a)



b)

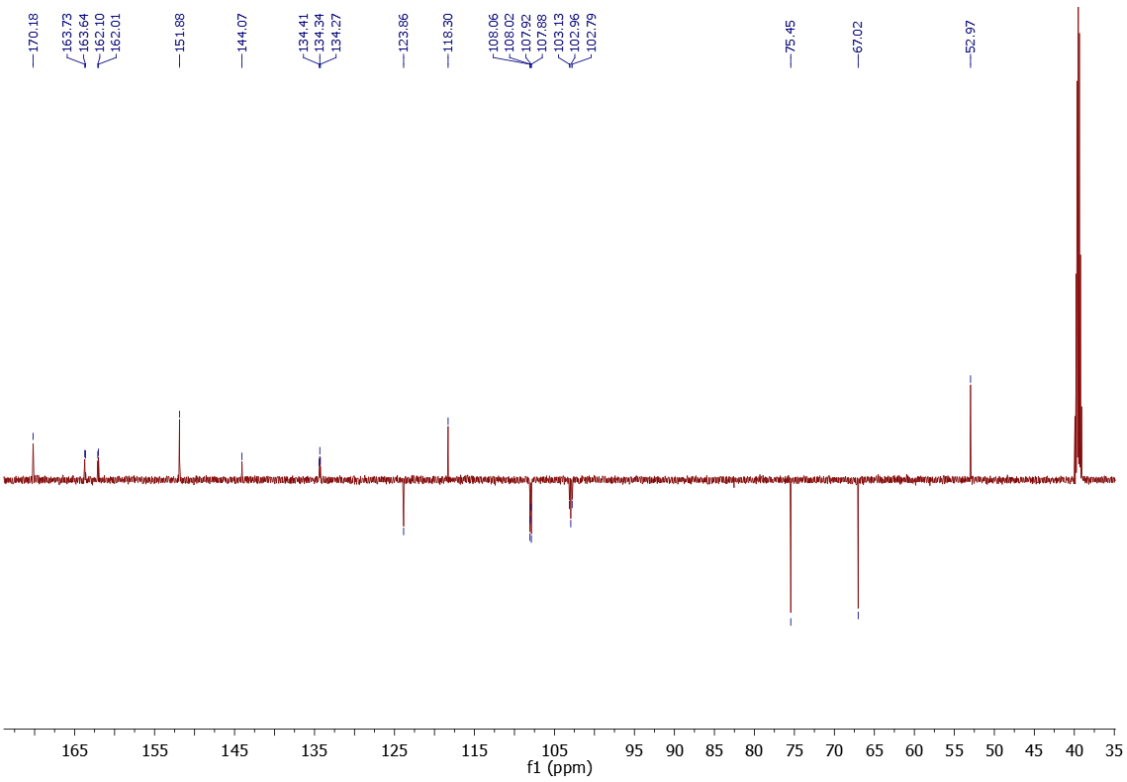
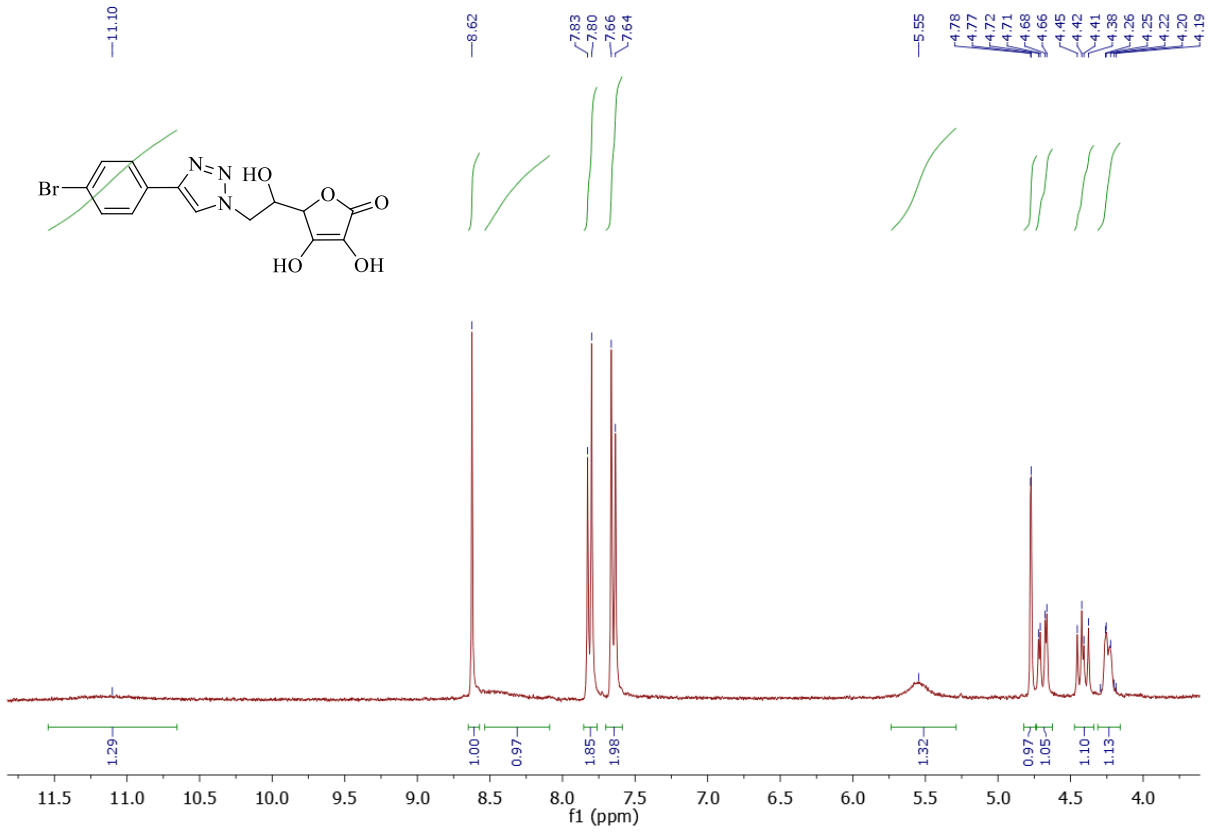


Figure S4. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4e**.

a)


11.10
8.62
7.83
7.80
7.66
7.64
5.55
4.78
4.77
4.72
4.71
4.68
4.66
4.45
4.42
4.41
4.38
4.26
4.25
4.22
4.20
4.19
Br
N
N
N
HO
O
O
HO
OH
1.29
1.00
0.97
1.85
1.98
1.32
0.97
1.05
1.10
1.13
11.5
11.0
10.5
10.0
9.5
9.0
8.5
8.0
7.5
7.0
6.5
6.0
5.5
5.0
4.5
4.0
f1 (ppm)

b)

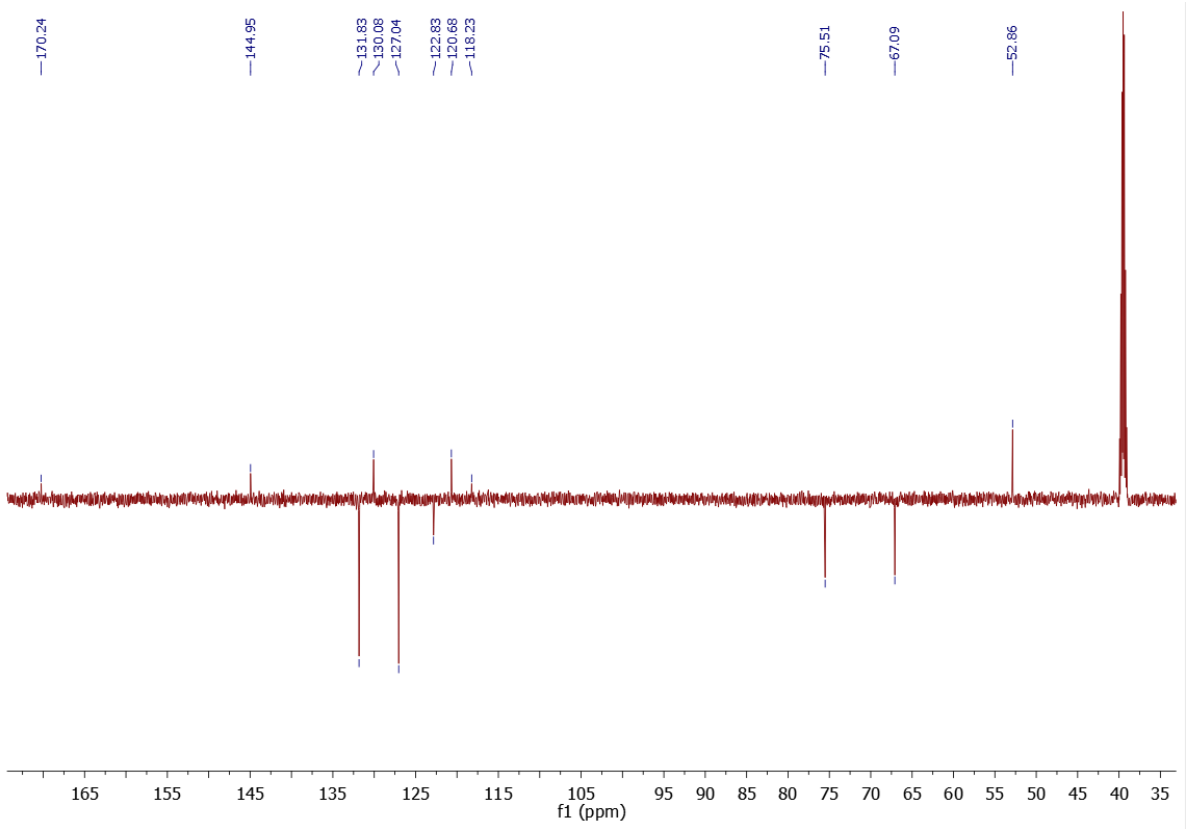
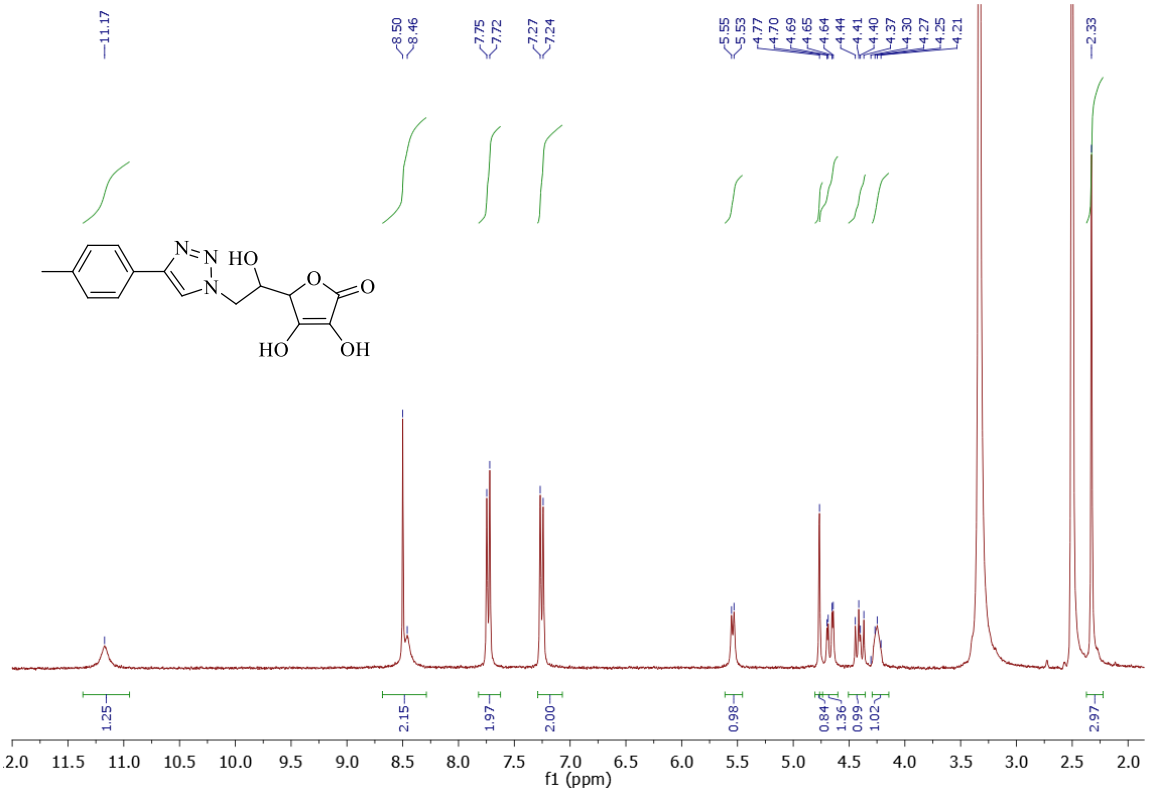

170.24
144.95
131.83
130.08
127.04
122.83
120.68
118.23
75.51
67.09
52.86
165
155
145
135
125
115
105
95
90
85
80
75
70
65
60
55
50
45
40
35
f1 (ppm)

Figure S5. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4f**.

a)



b)

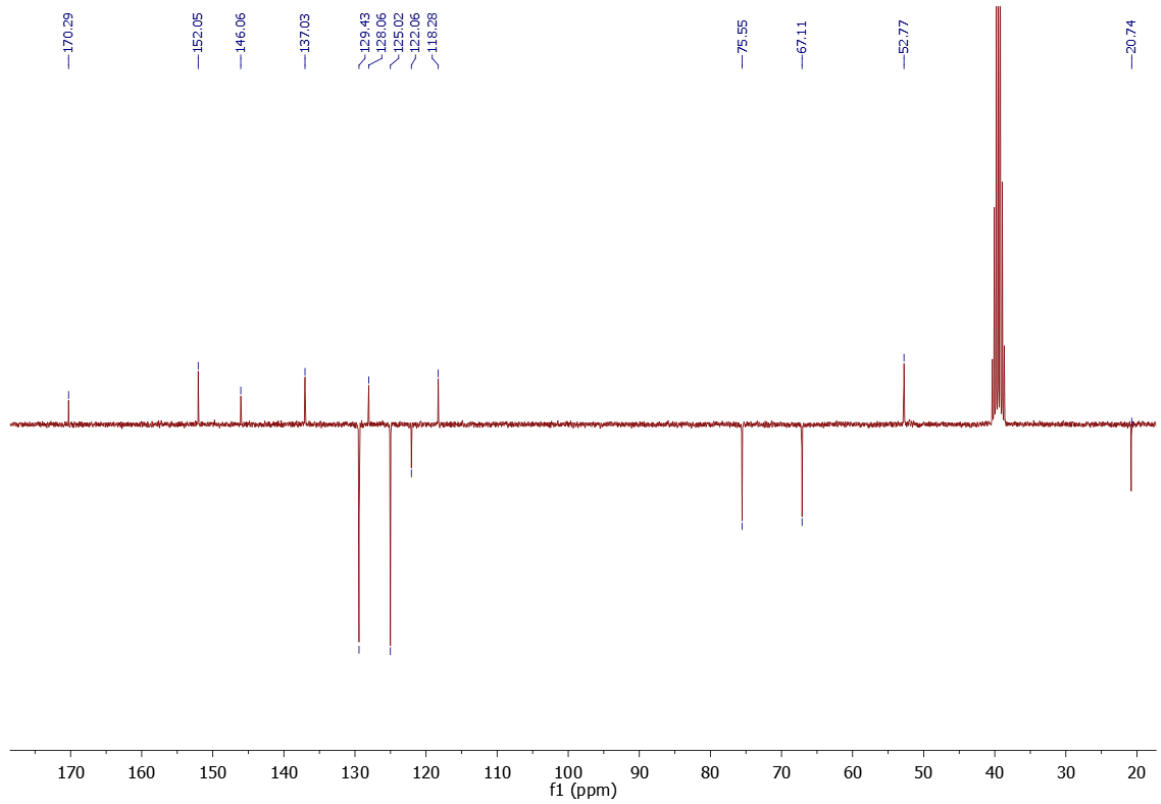
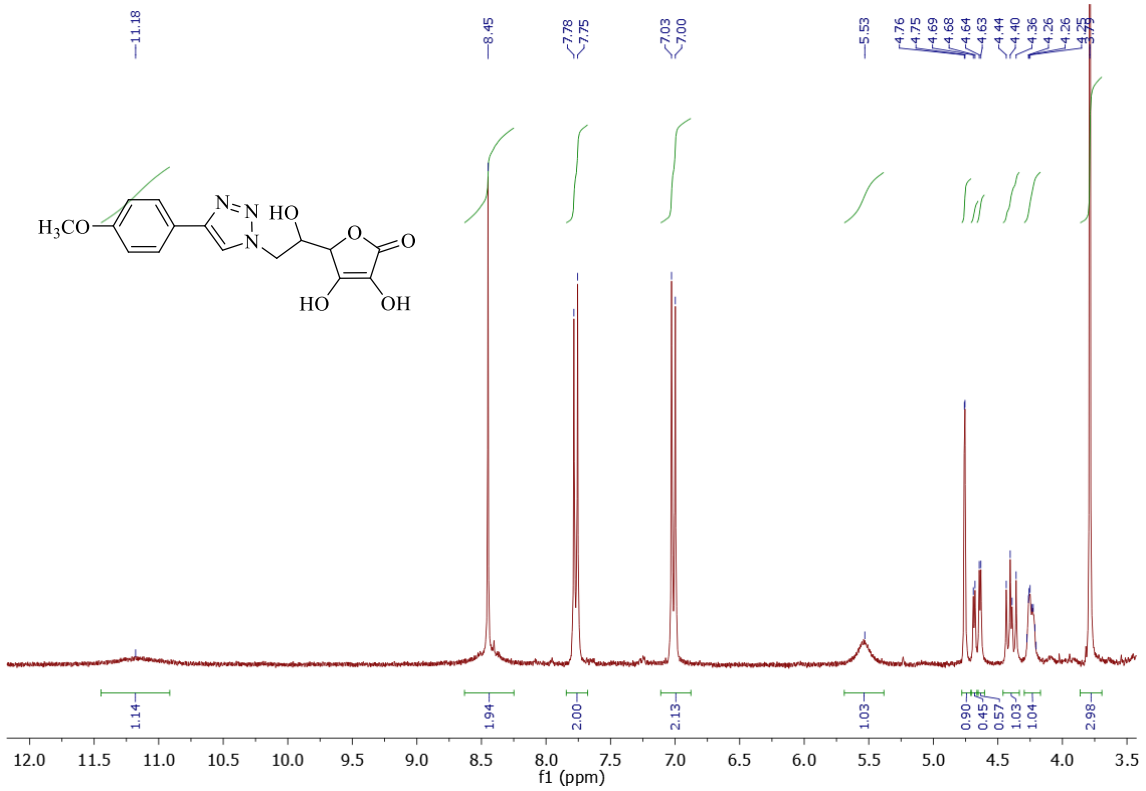


Figure S6. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4g**.

a)



b)

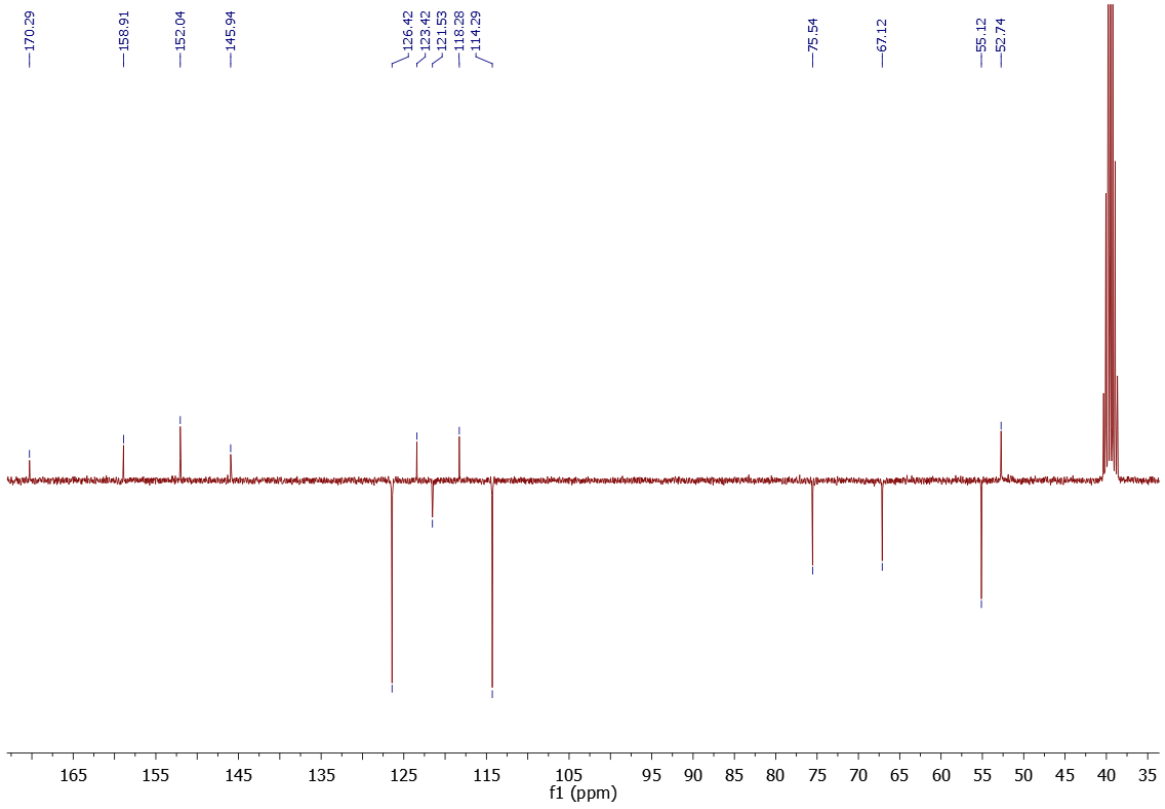
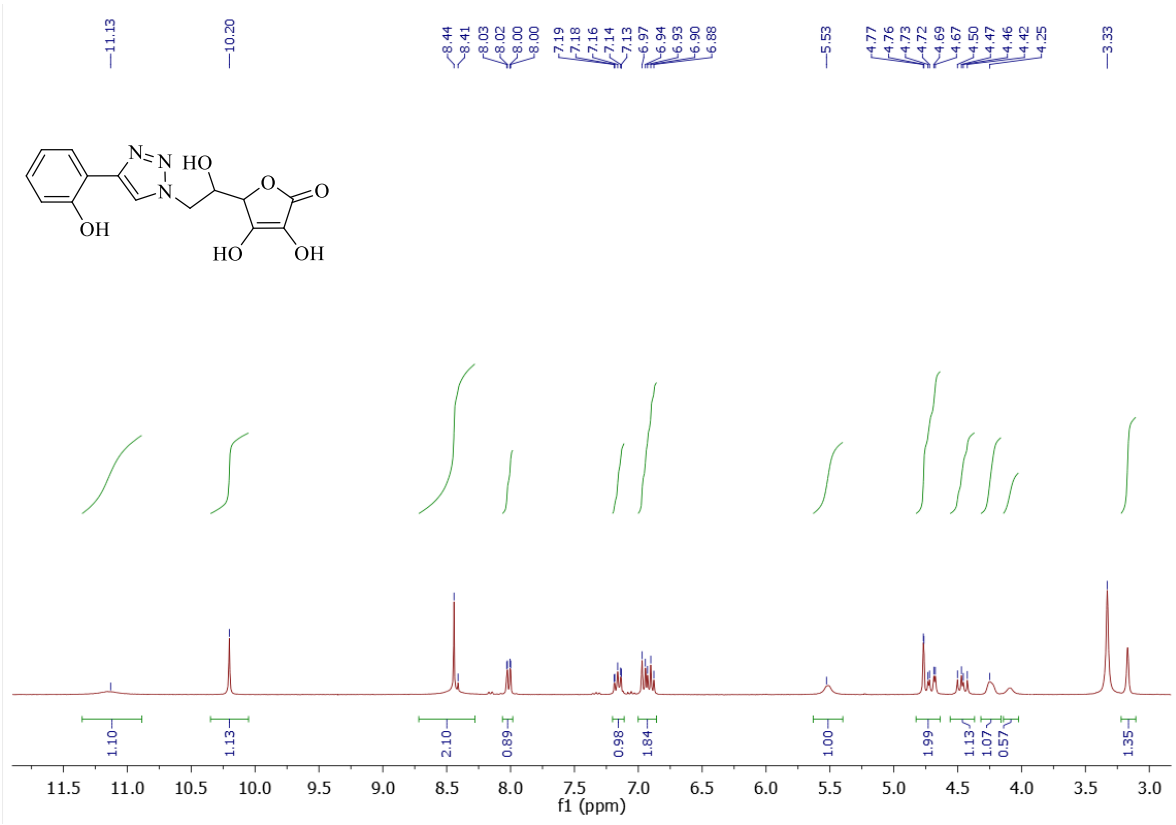


Figure S7. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4i**.

a)



b)

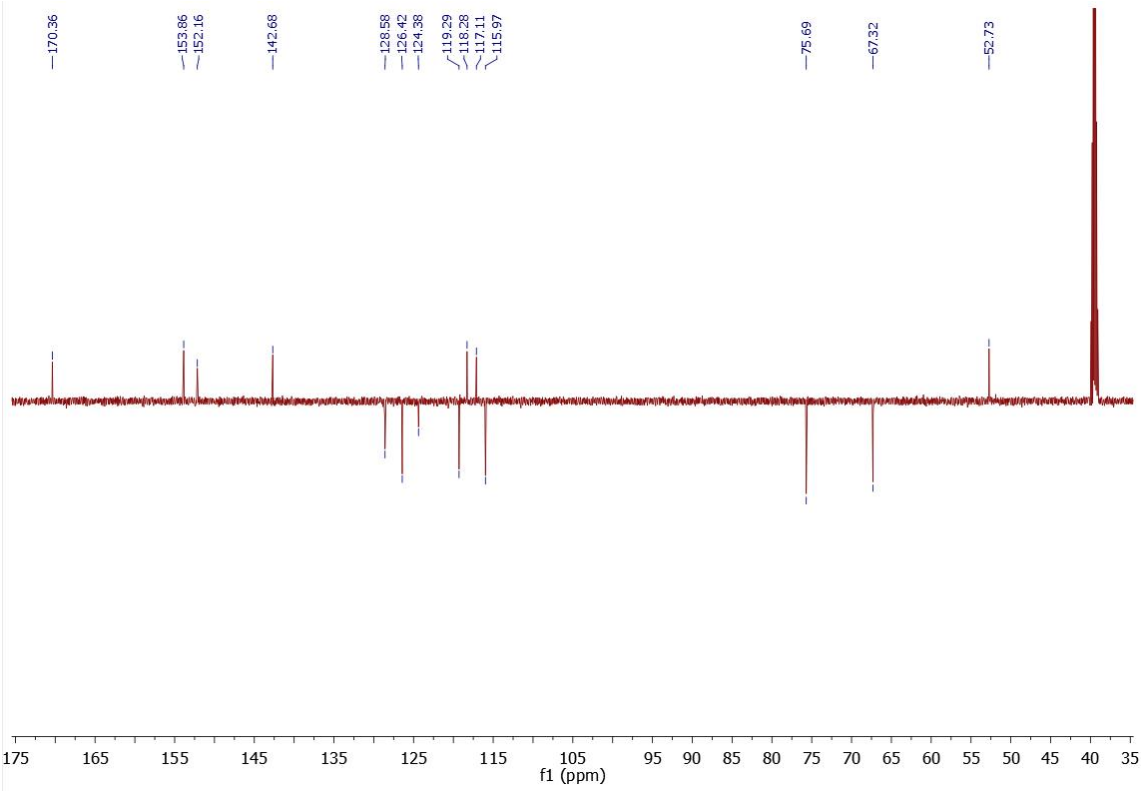
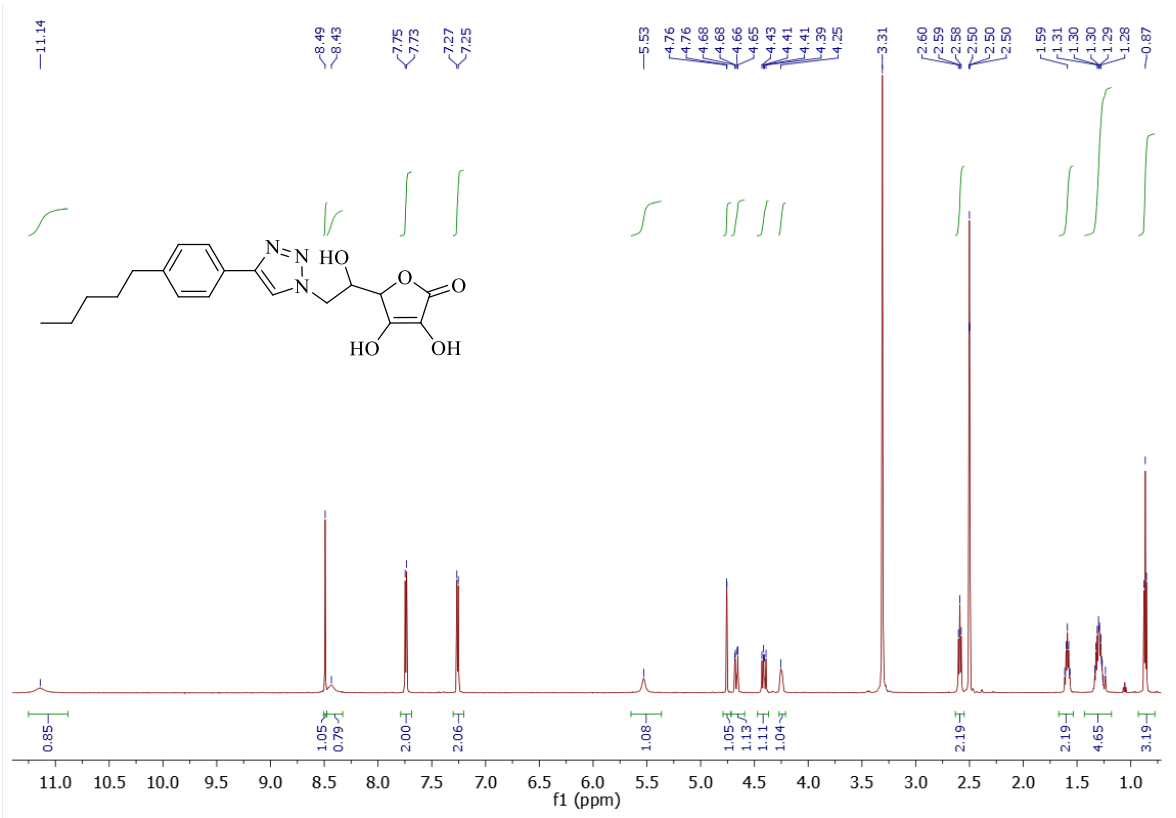


Figure S8. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4k**.

a)



b)

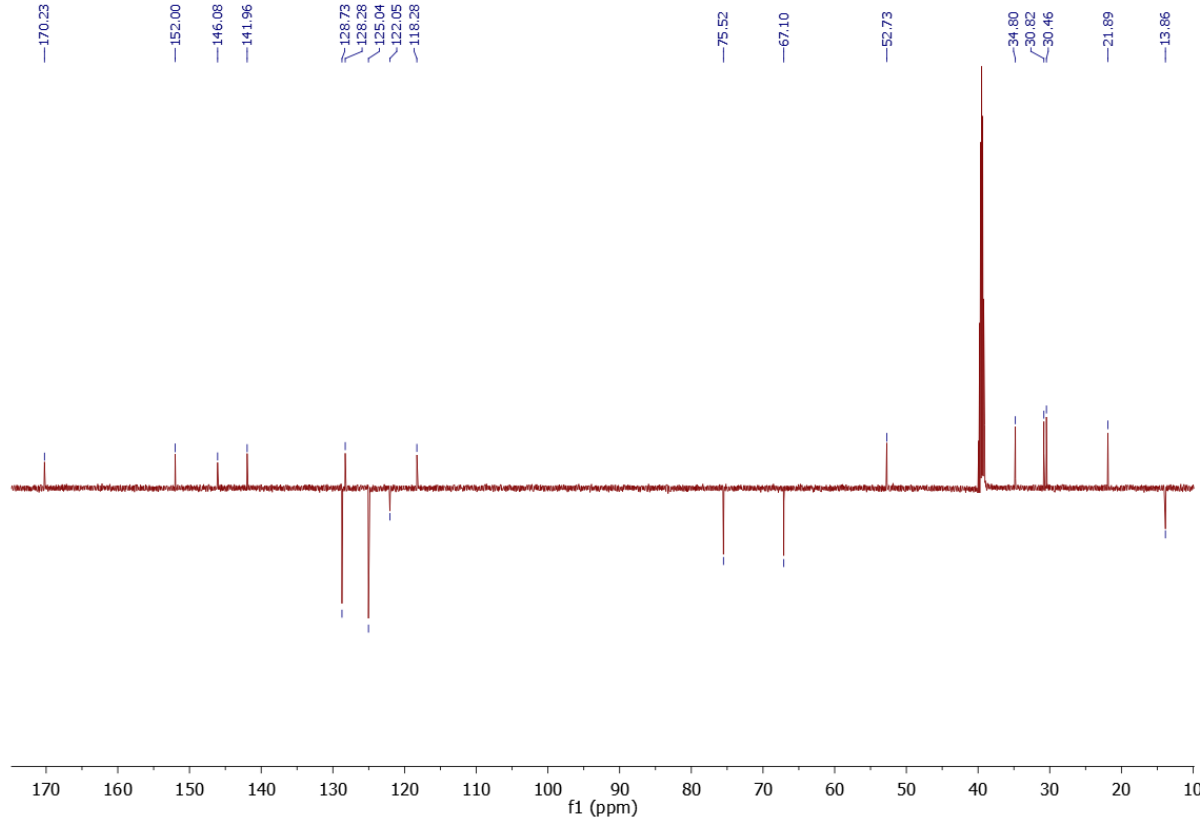
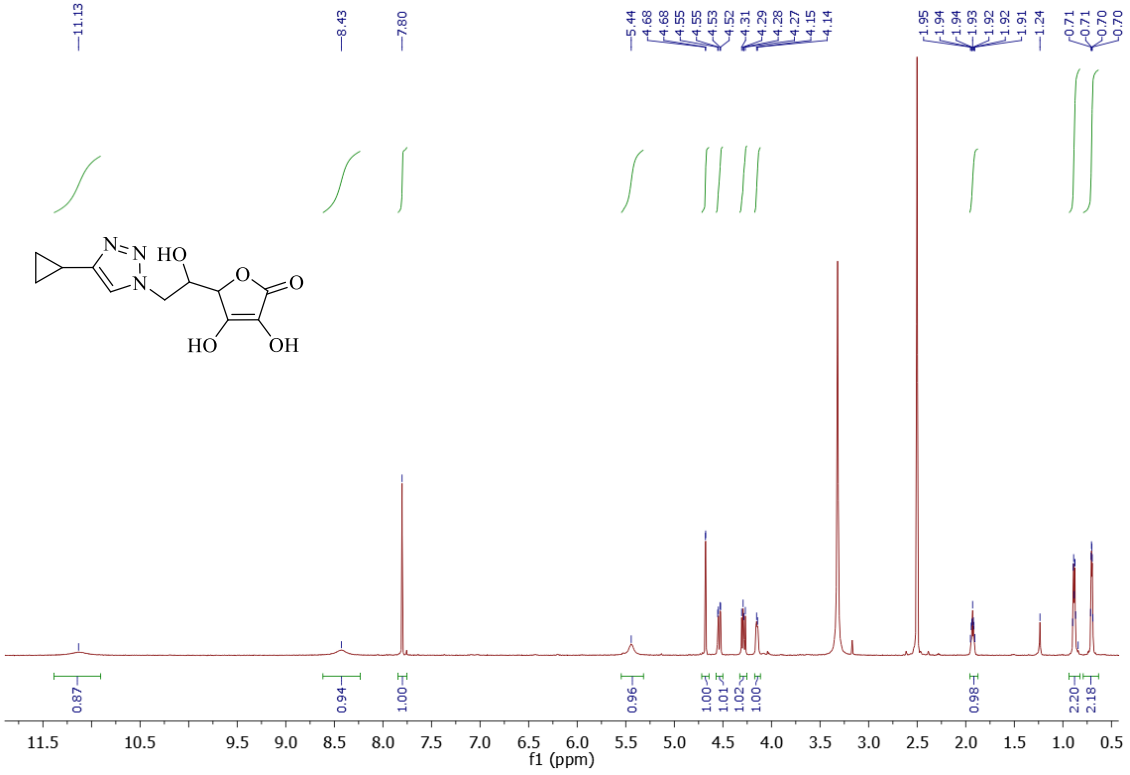


Figure S9. a) ^{1}H NMR and b) ^{13}C NMR of compd. **41**.

a)



b)

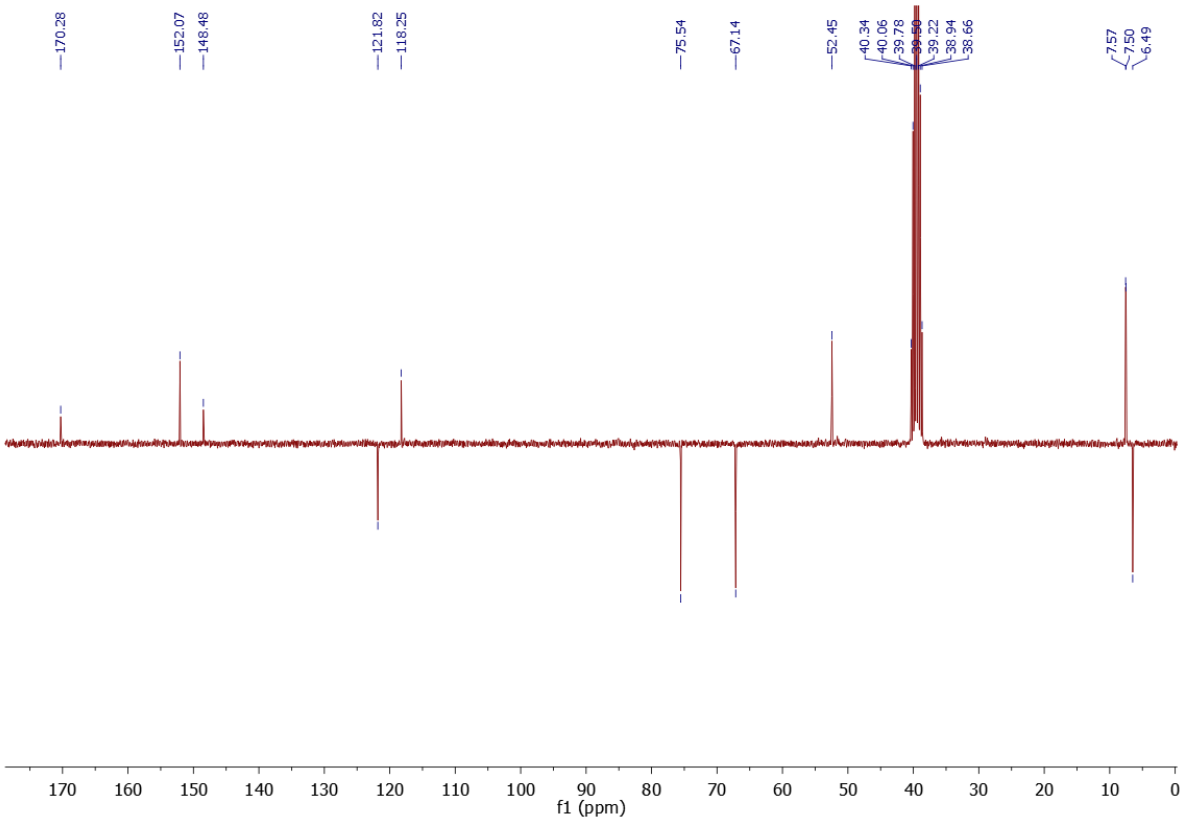
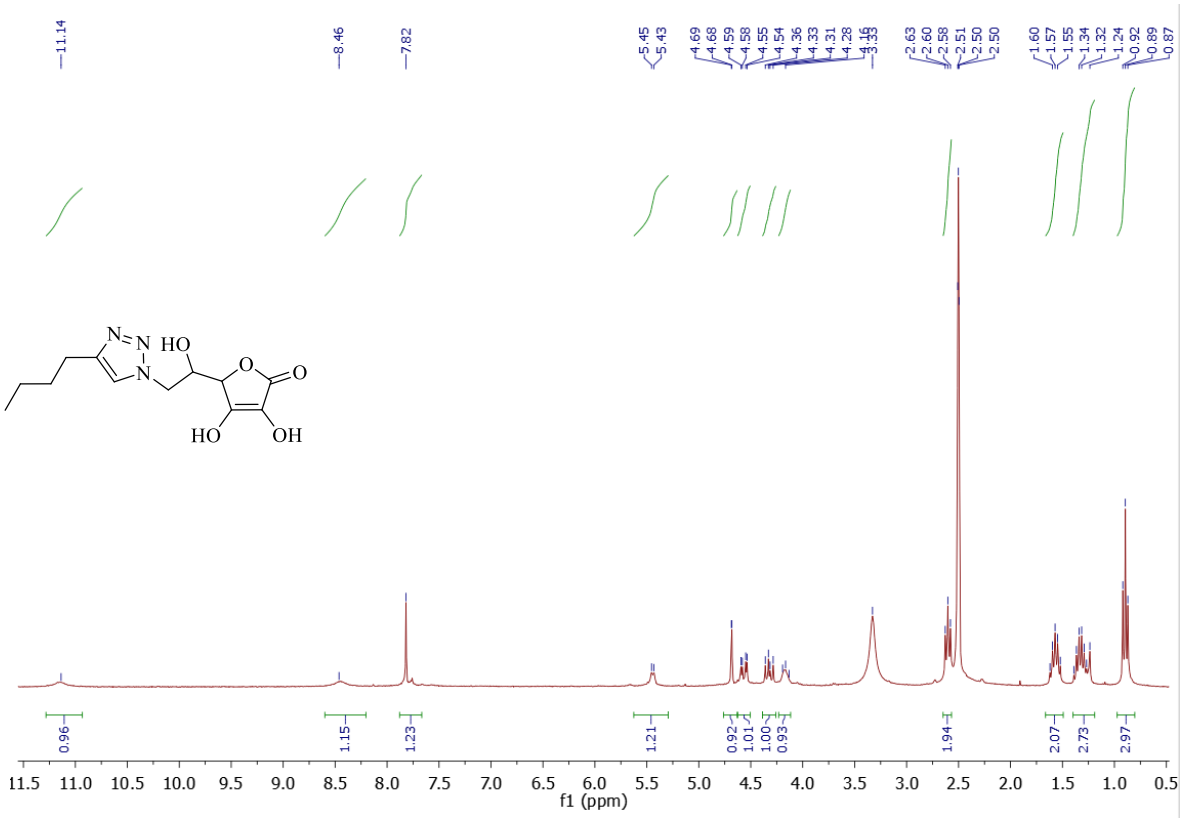


Figure S10. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4m.**

a)



b)

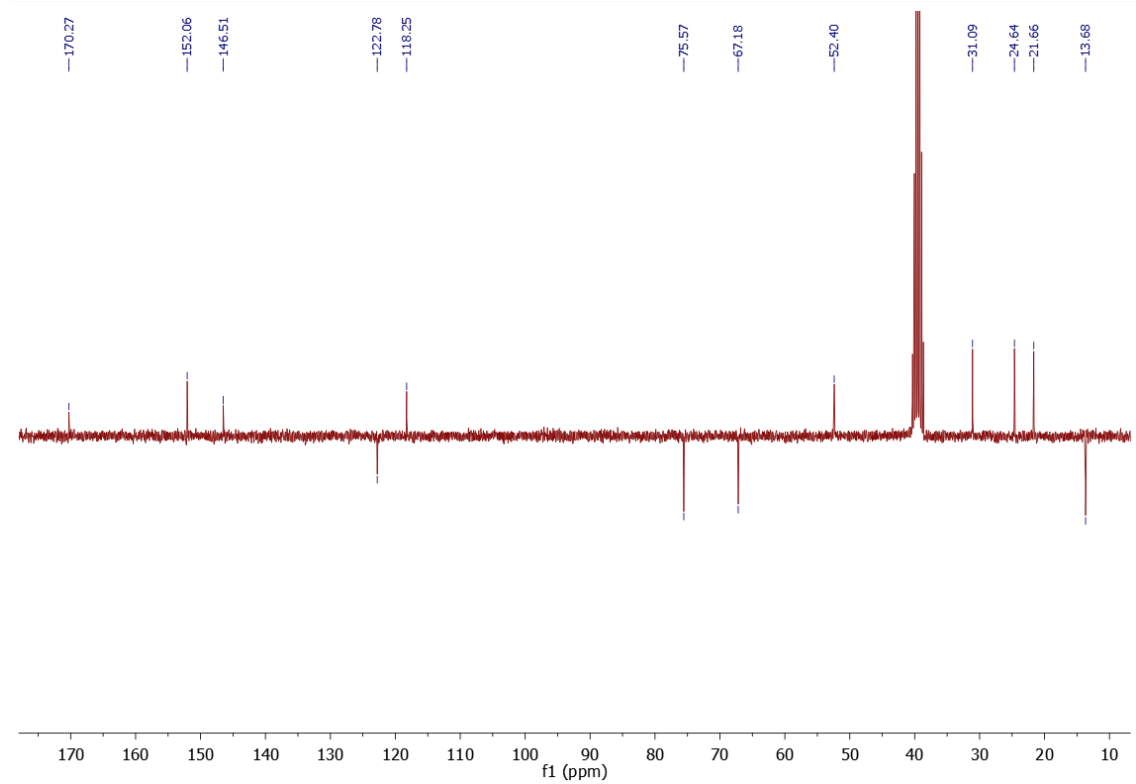
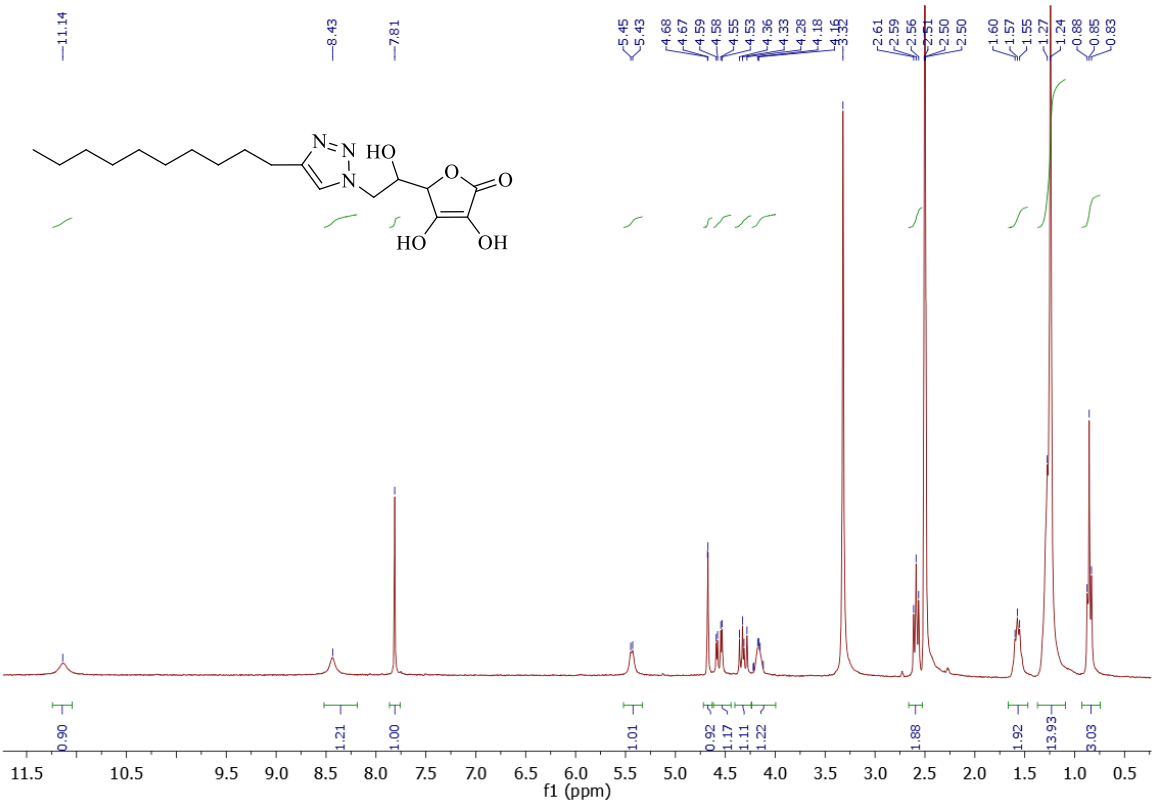


Figure S11. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4n**

a)



b)

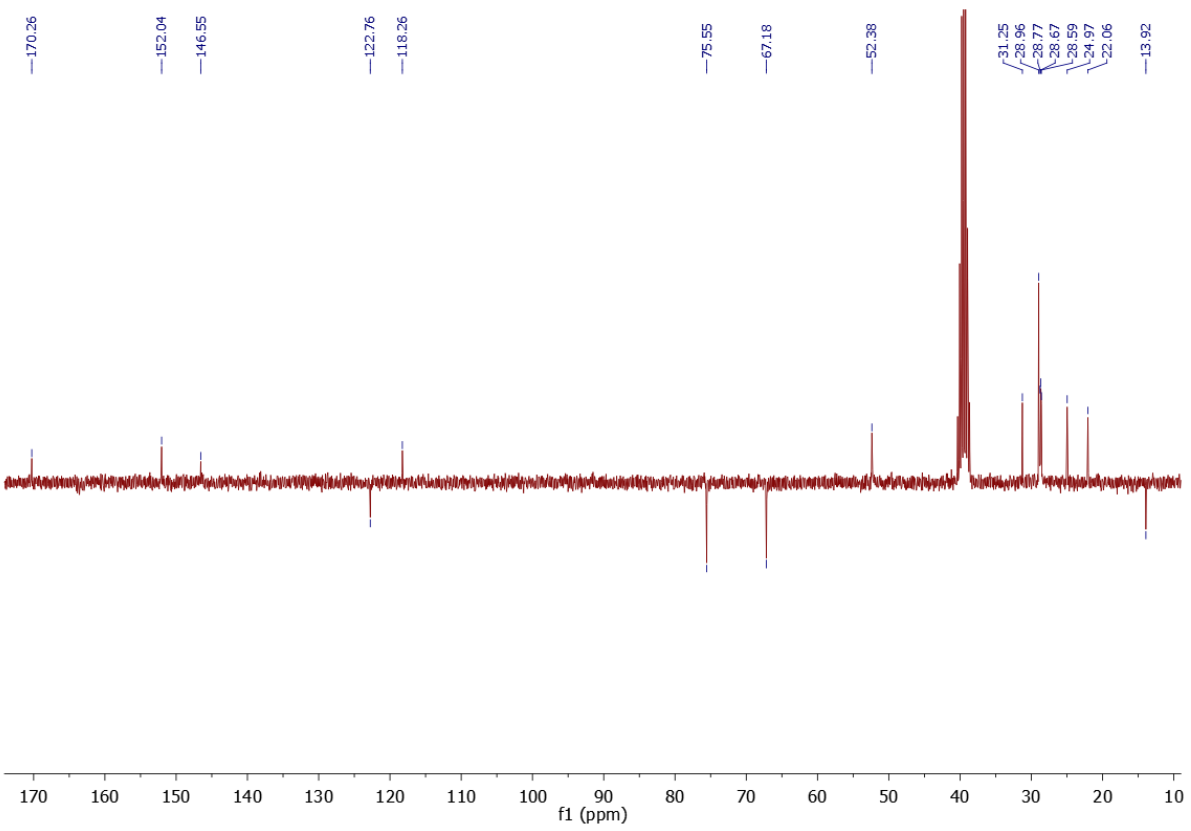
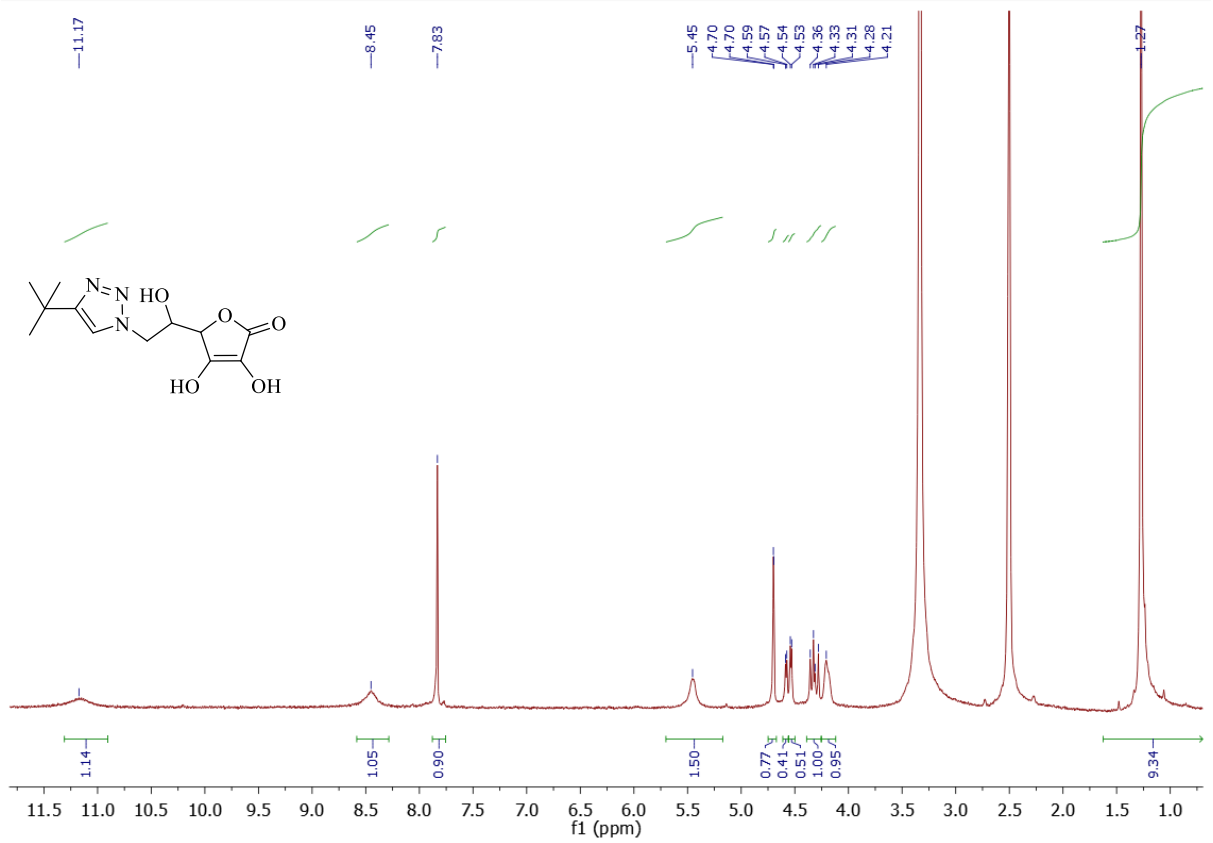


Figure S12. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4o**.

a)



b)

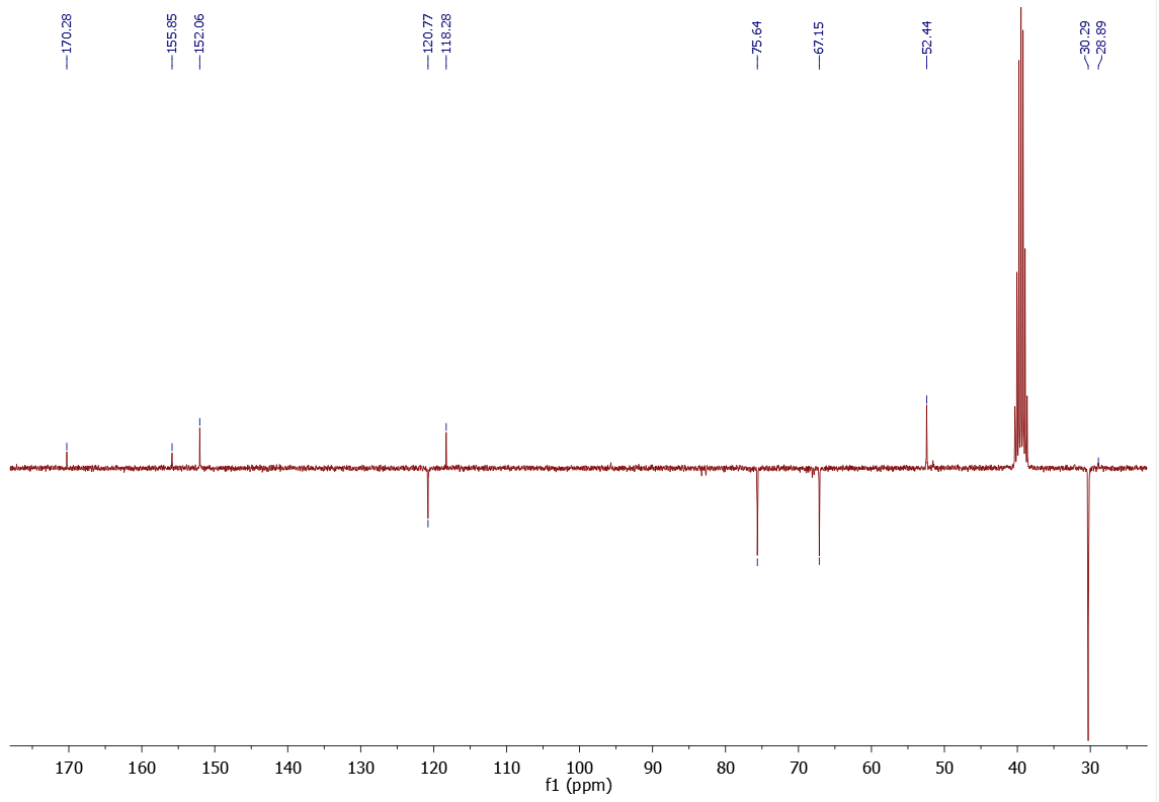
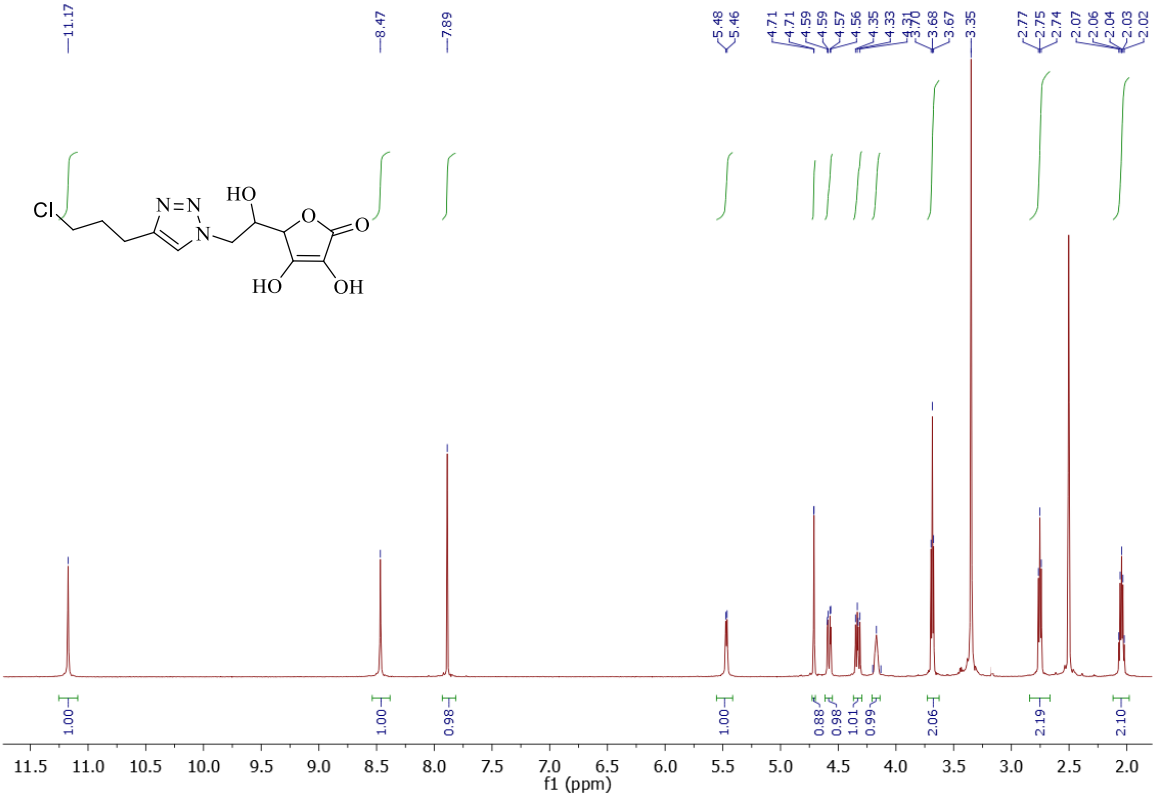


Figure S13. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4p**.

a)



b)

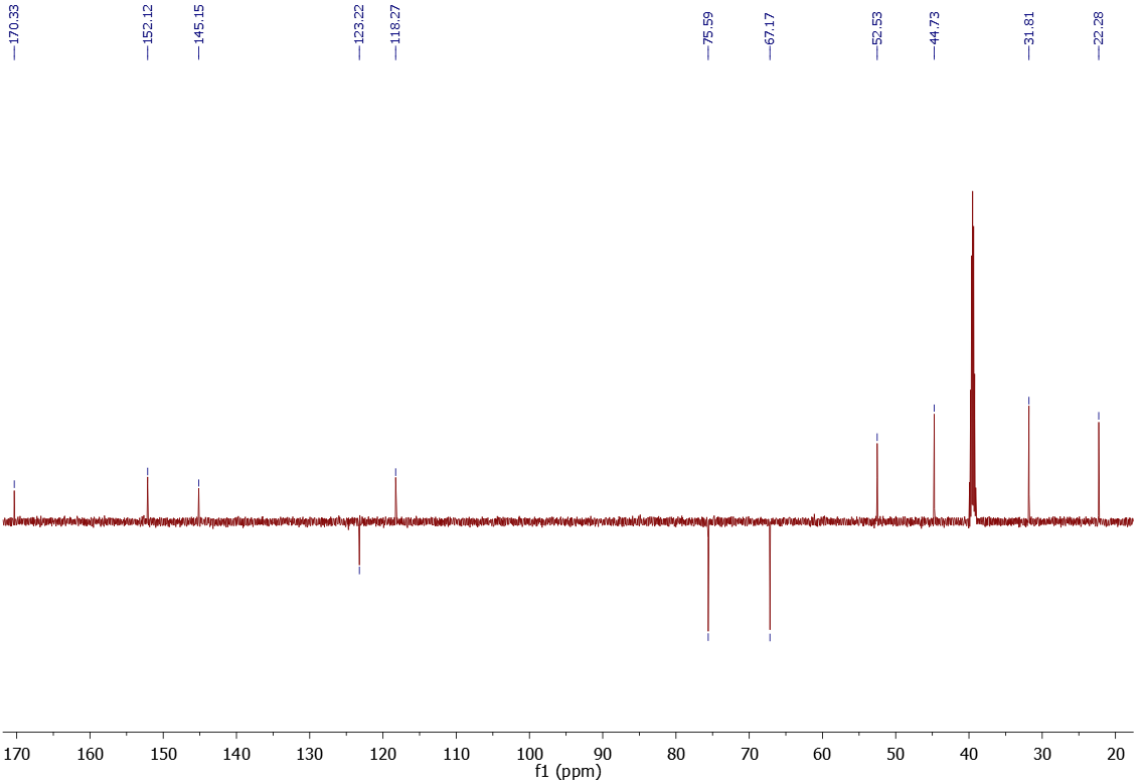
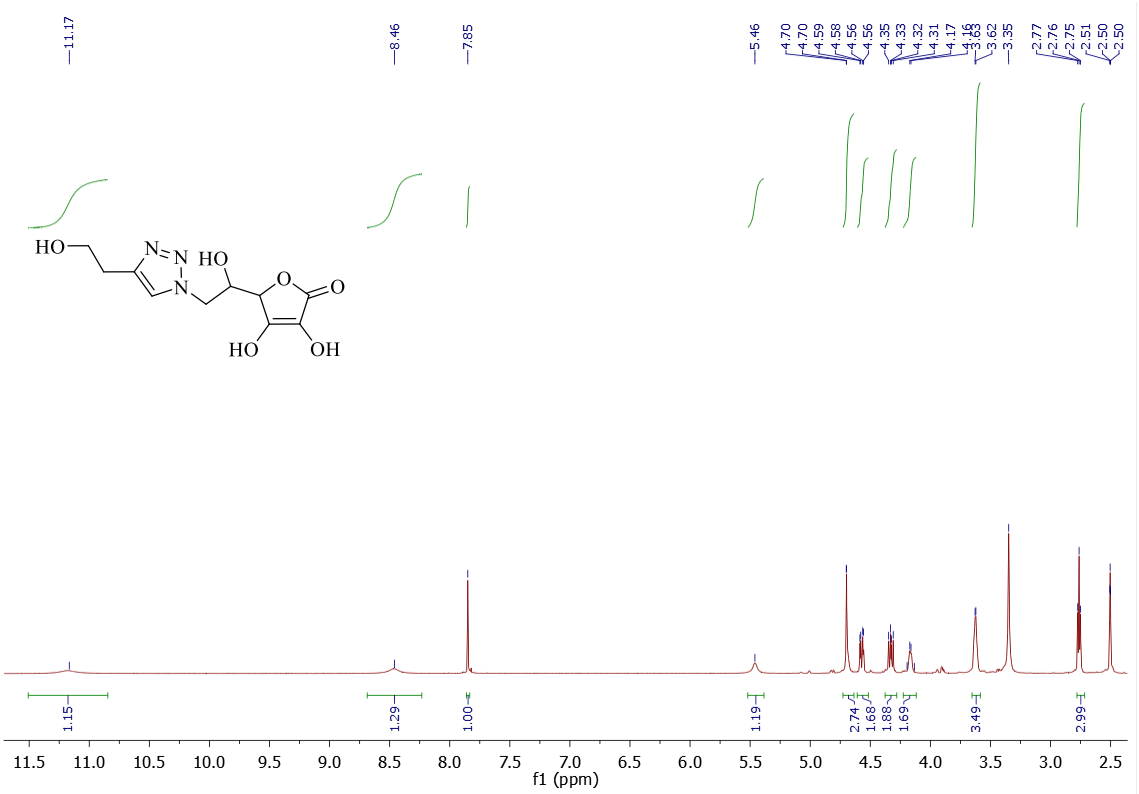


Figure S14. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4q**.

a)



b)

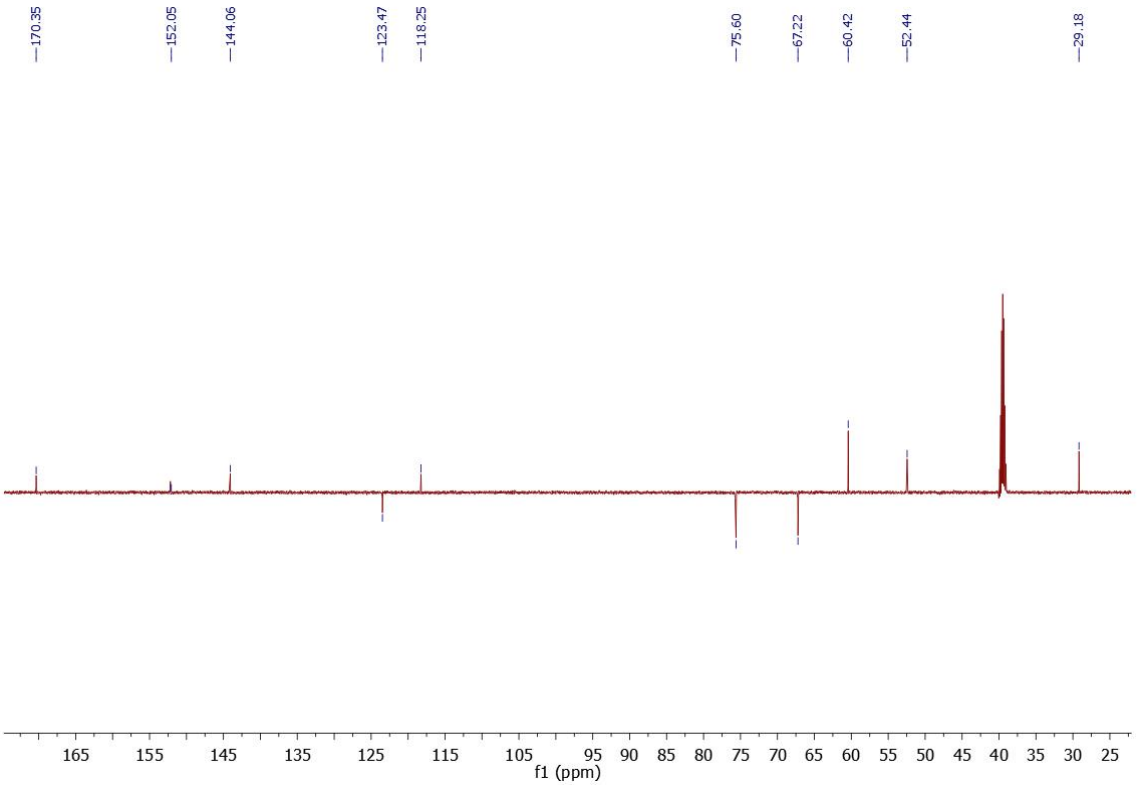
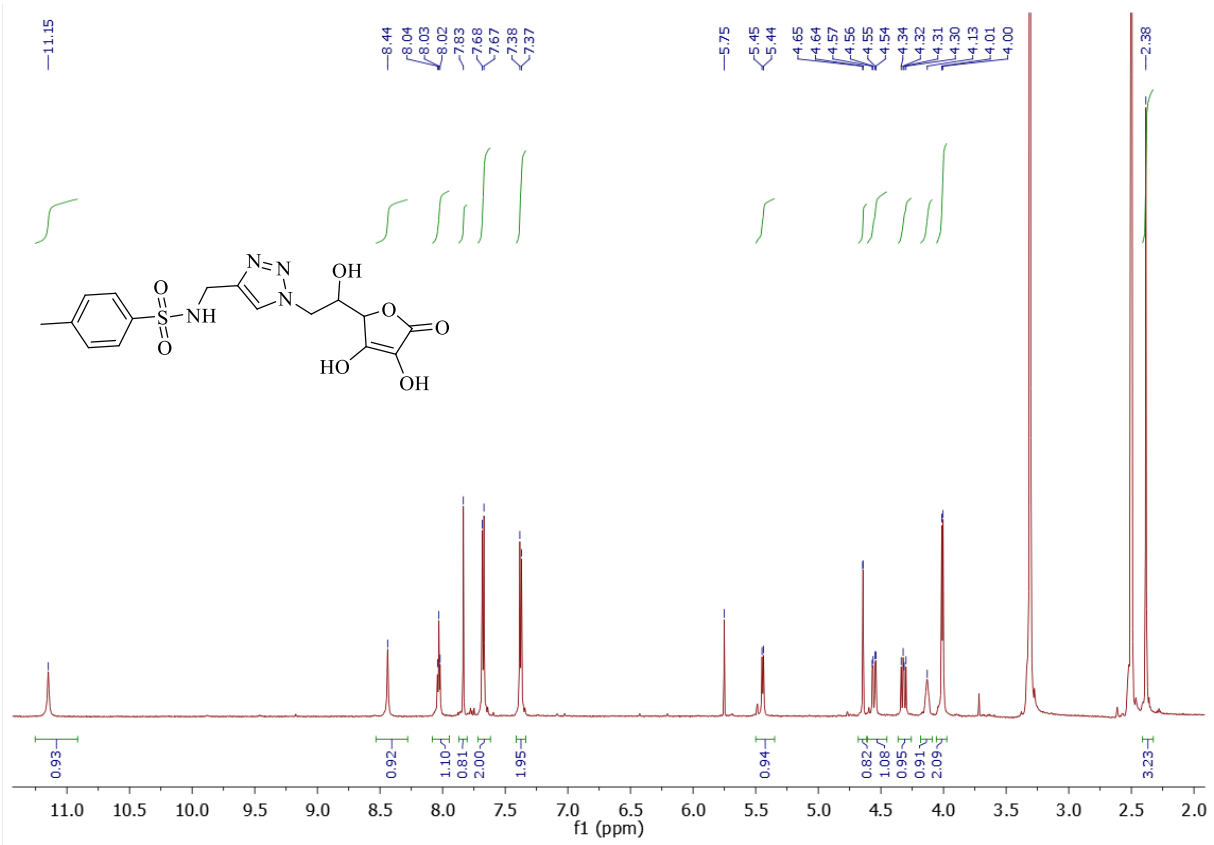


Figure S15. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4r**.

a)



b)

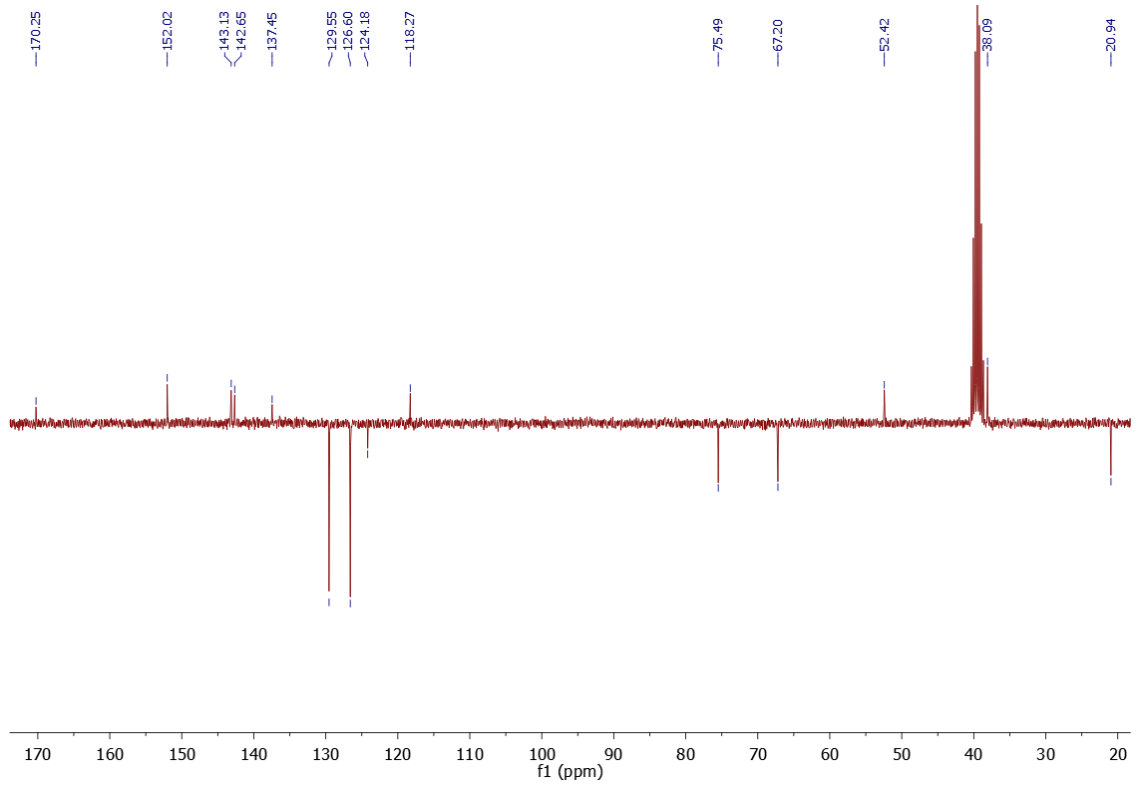
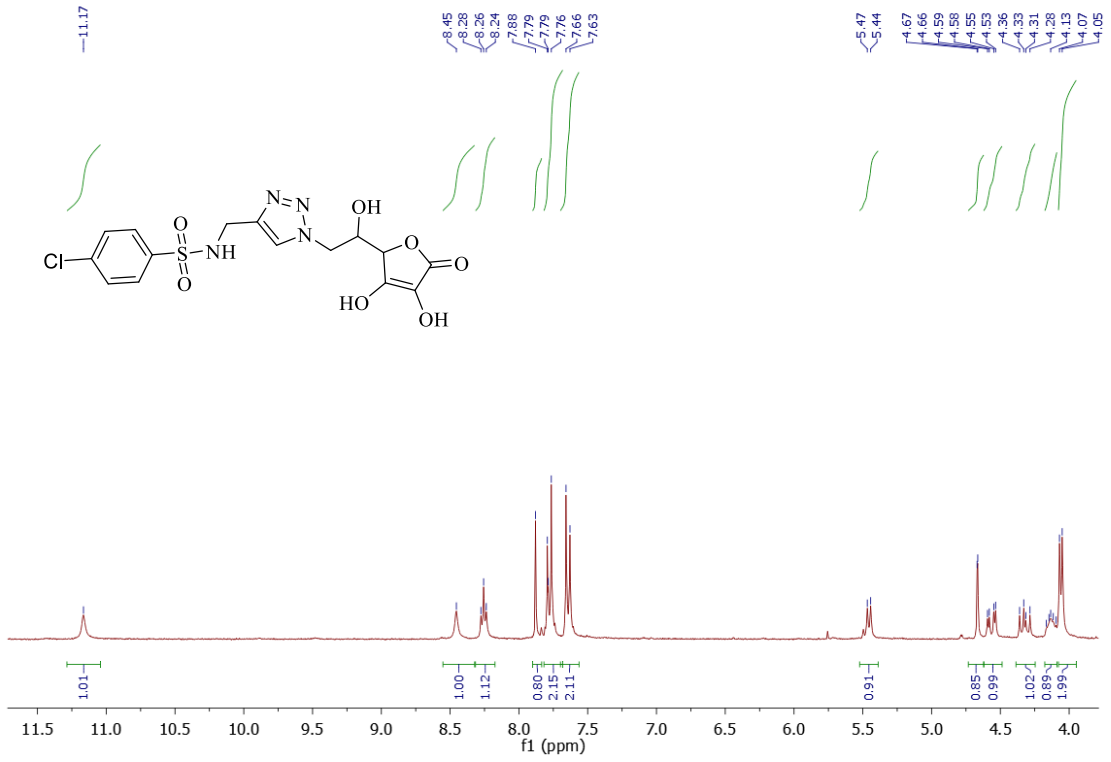


Figure S16. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4s**.

a)



b)

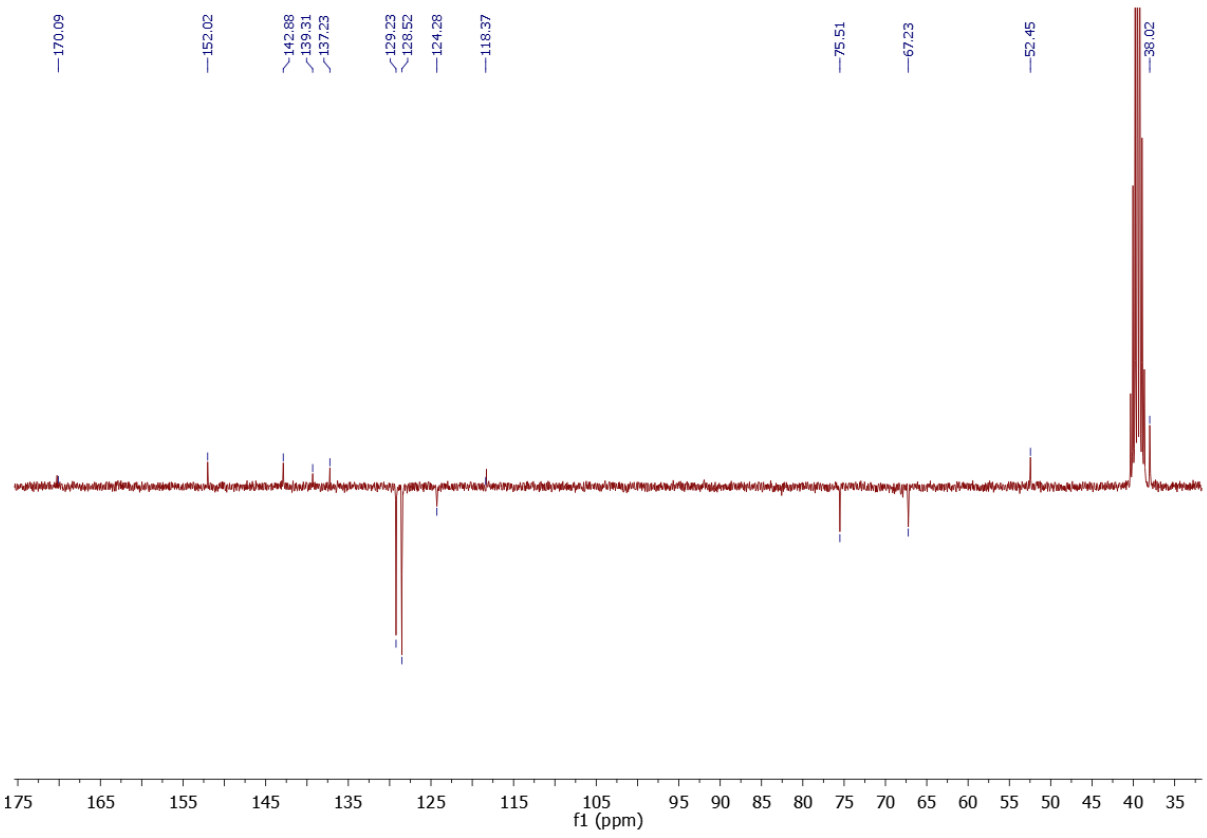
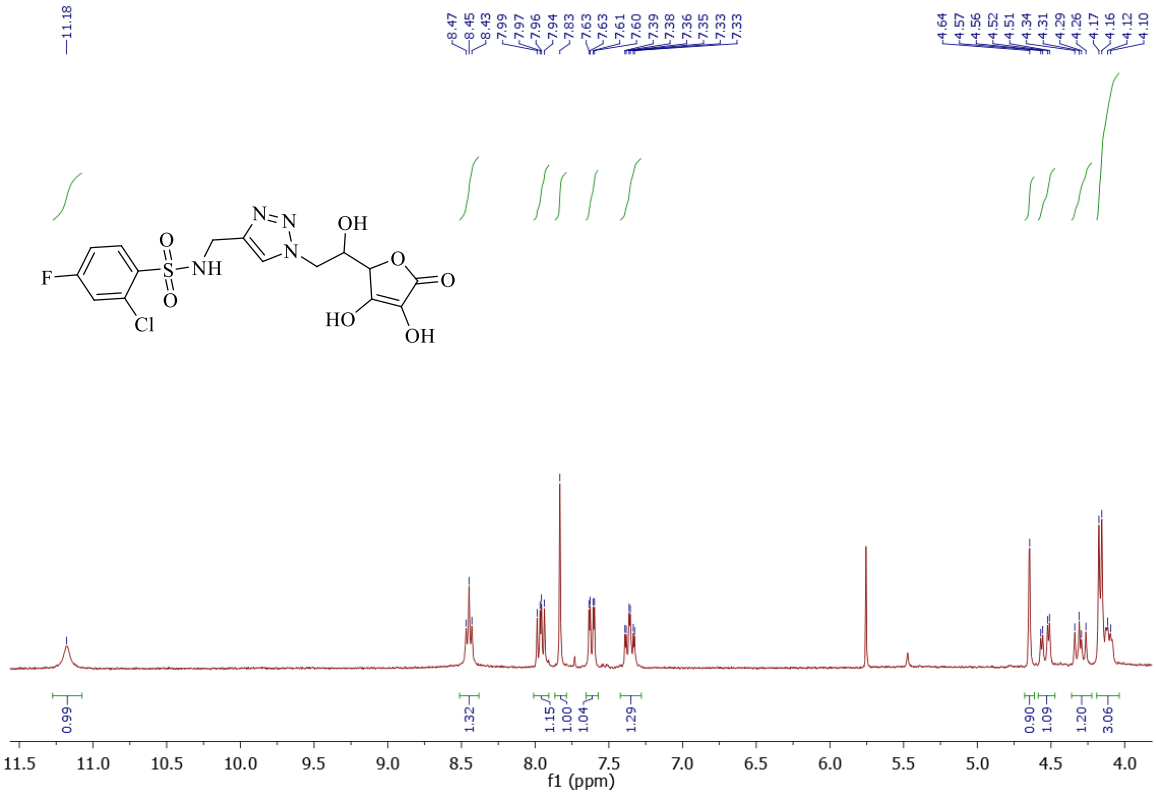


Figure S17. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4t**.

a)



b)

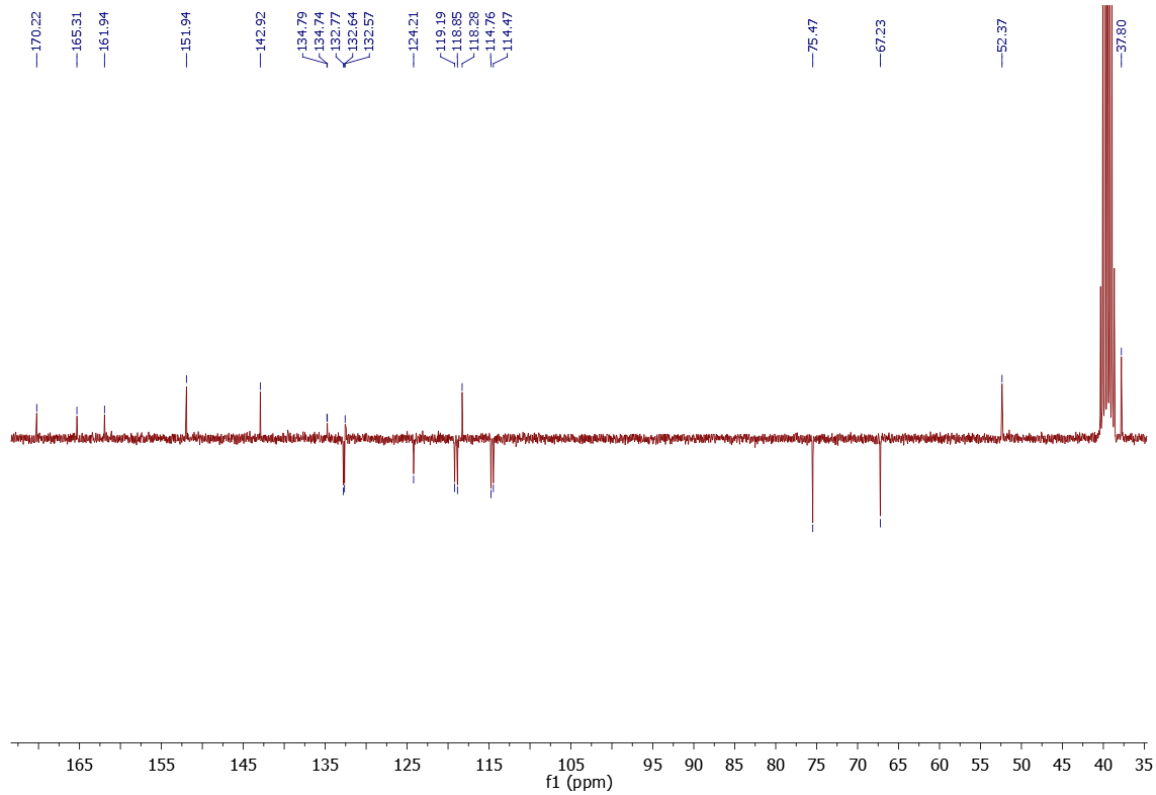
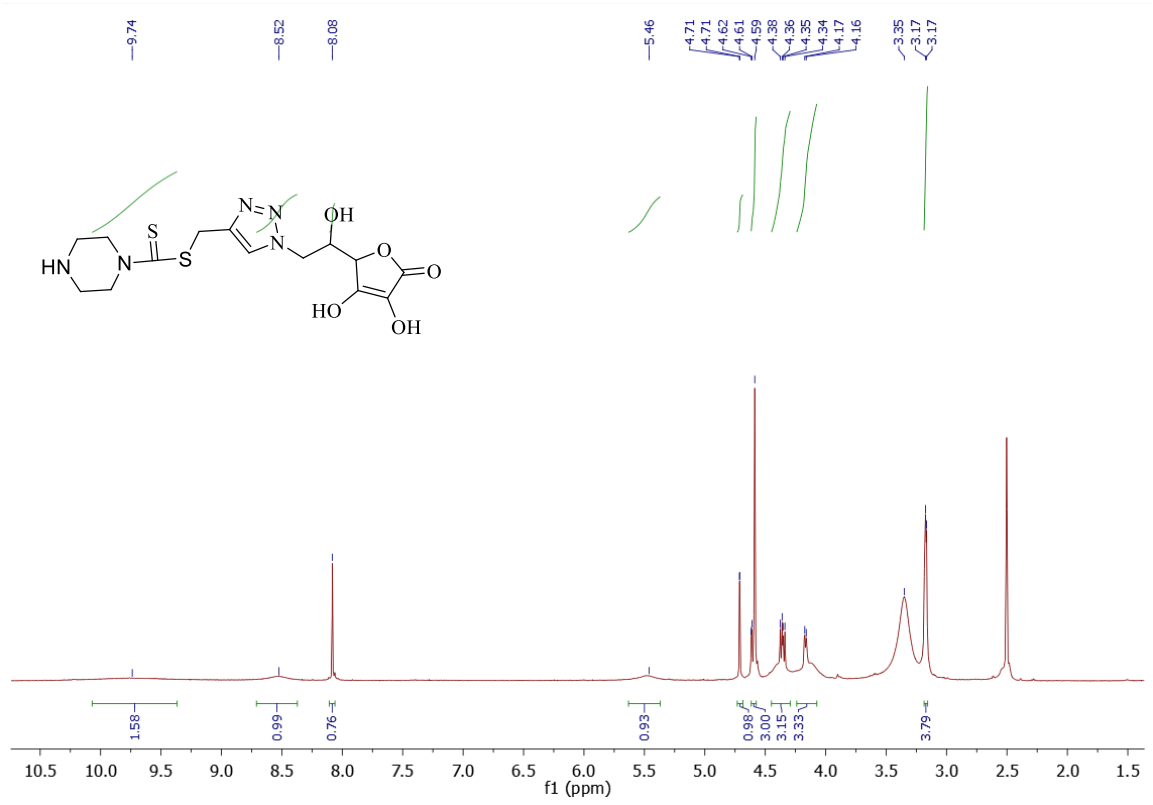


Figure S18. a) ^{1}H NMR and b) ^{13}C NMR of compd. **4v**.

a)



b)

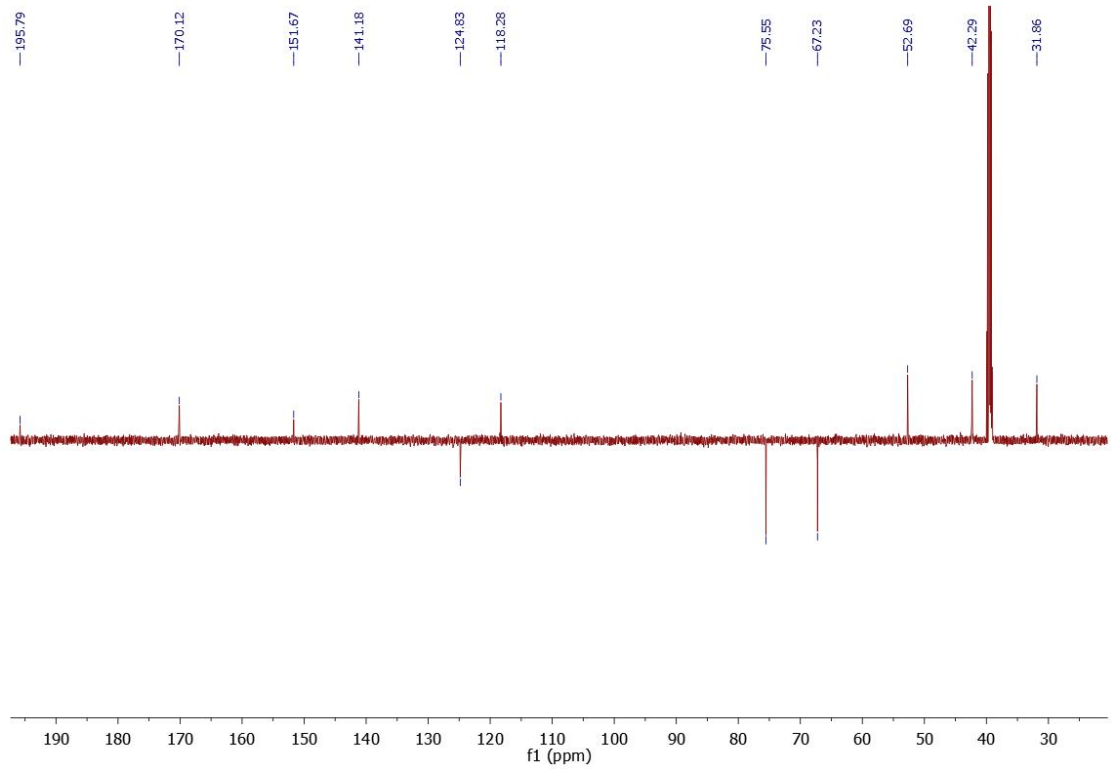
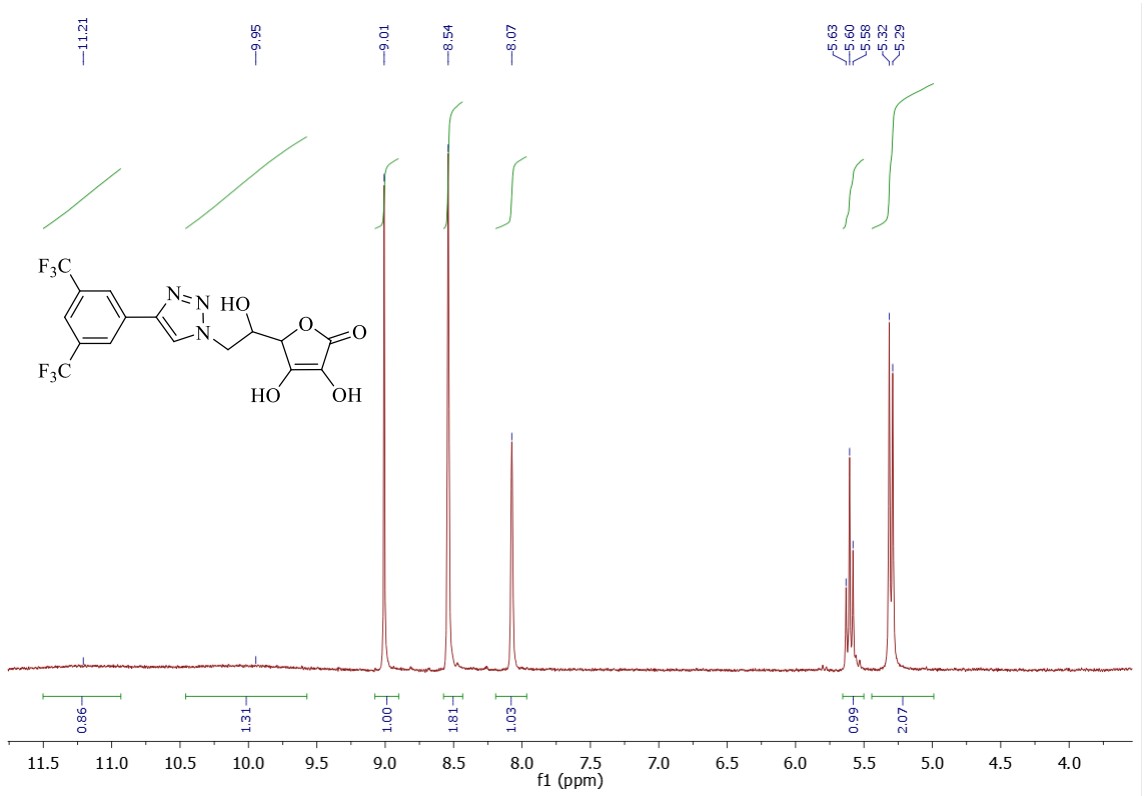


Figure S19. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7c**.

a)



b)

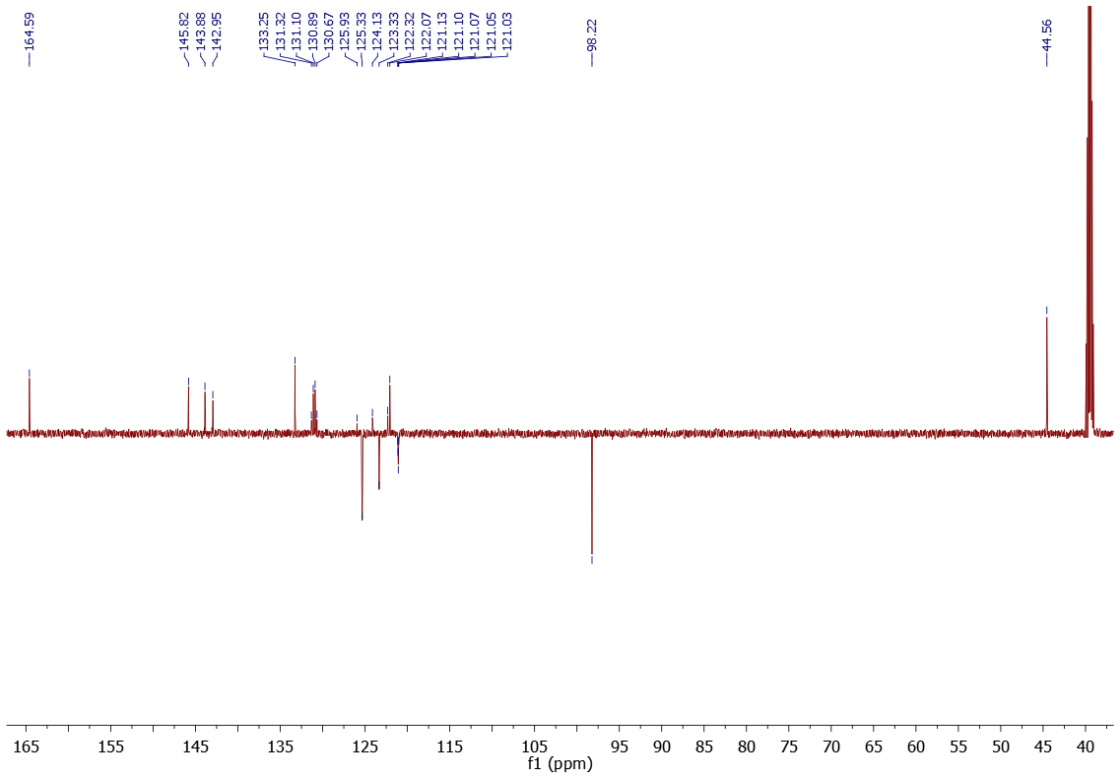
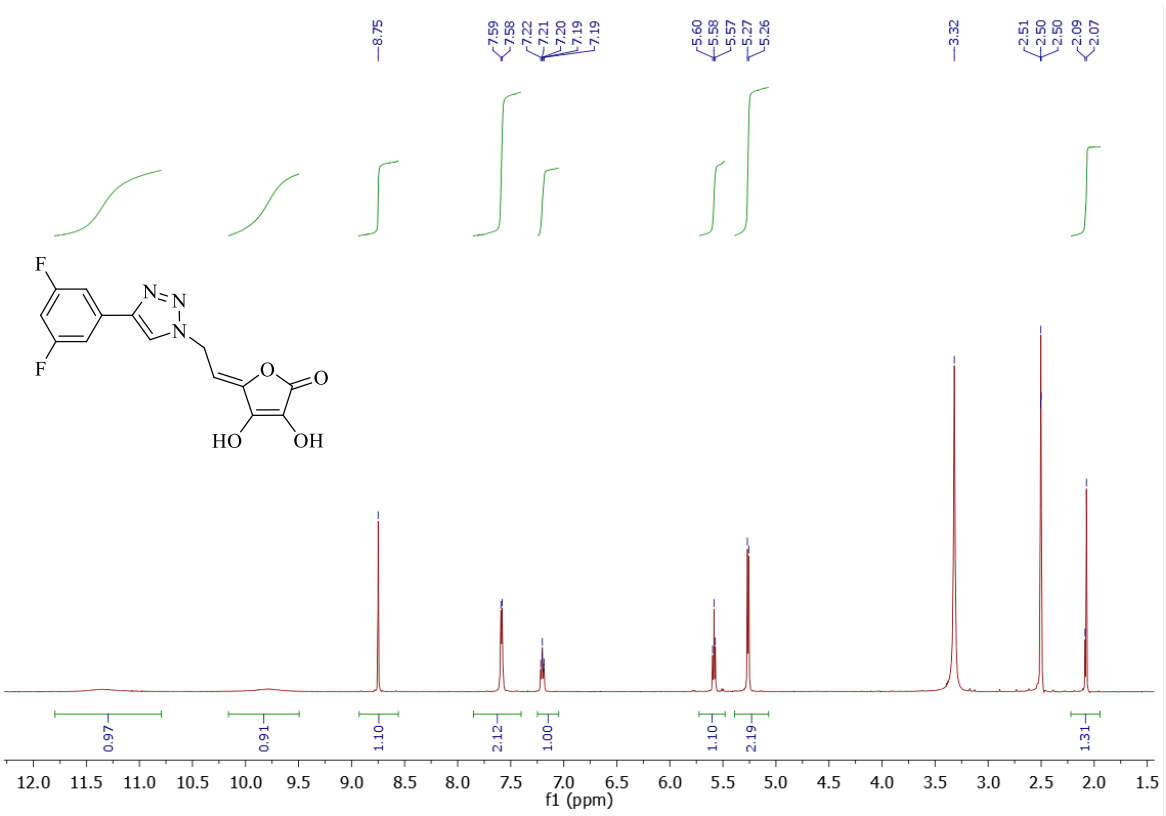


Figure S20. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7d**.

a)



b)

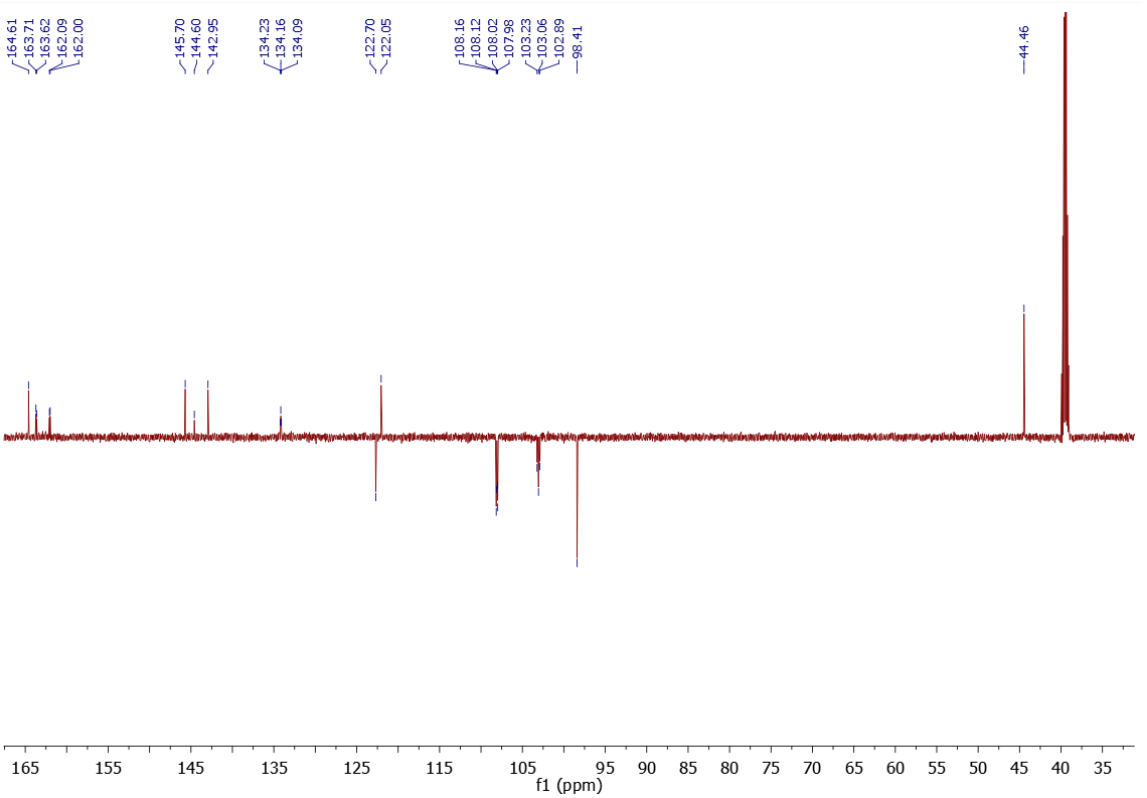
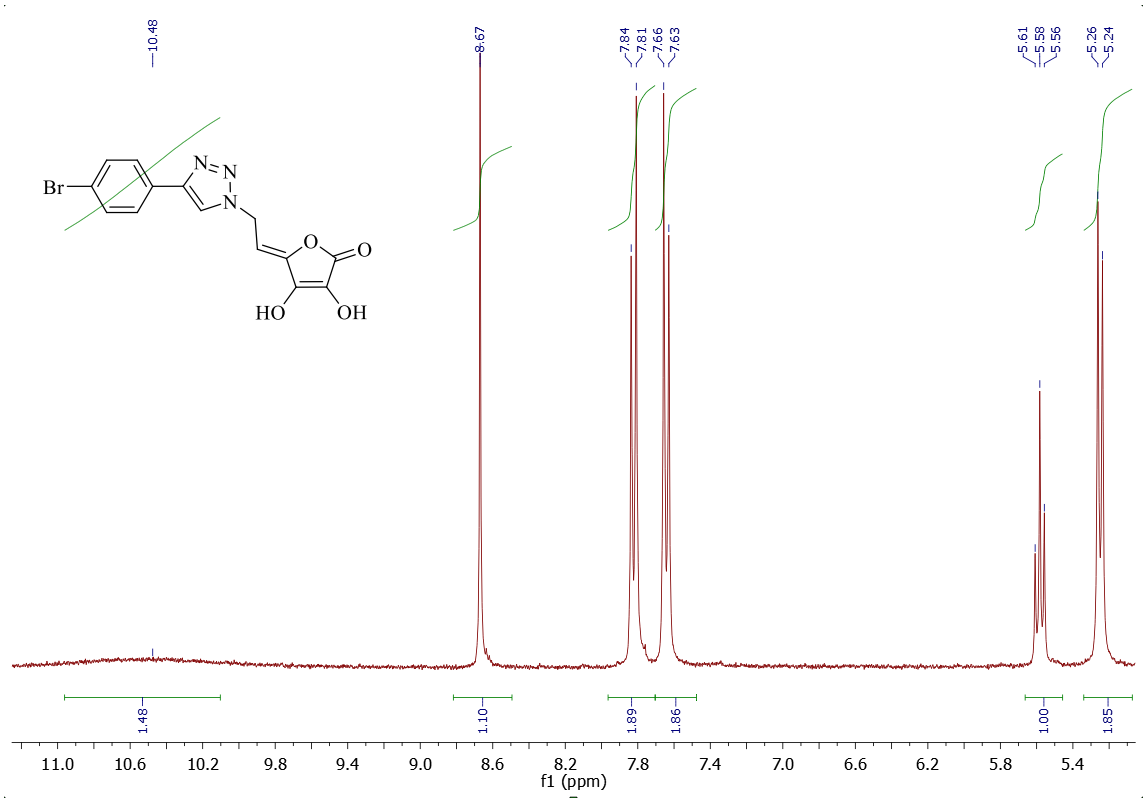


Figure S21. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7e**.

a)



b)

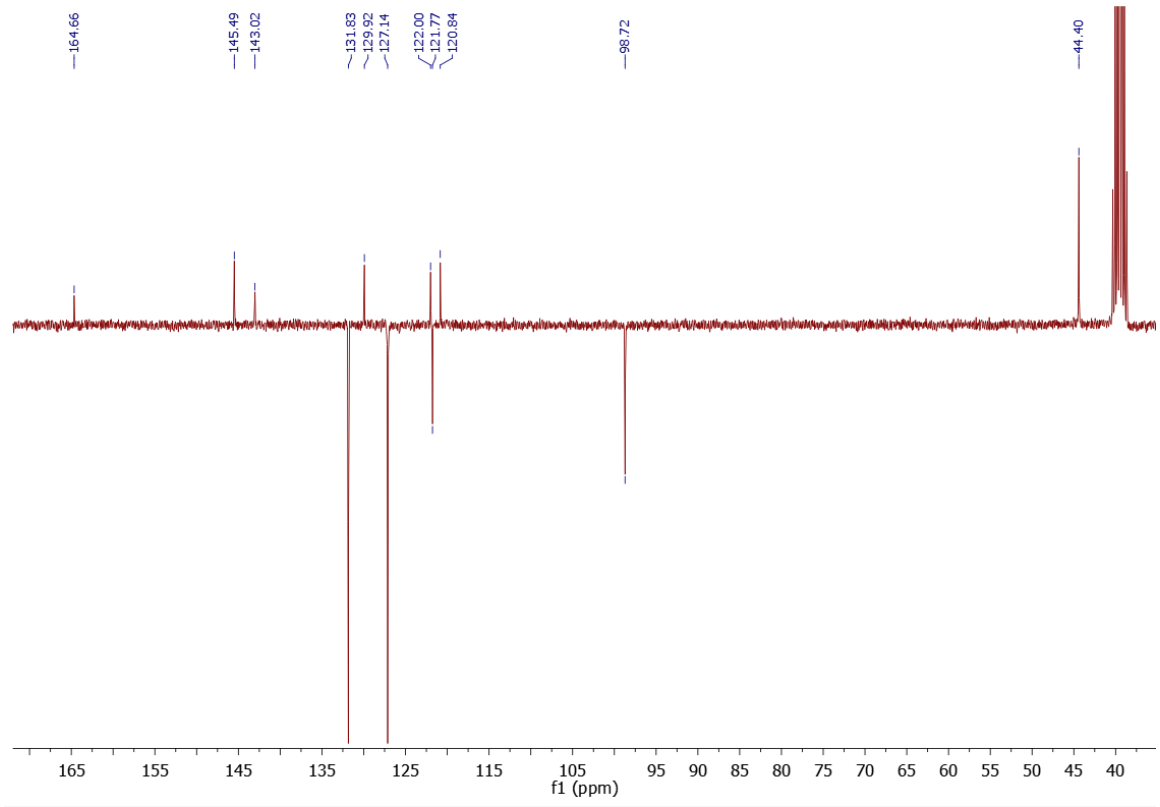
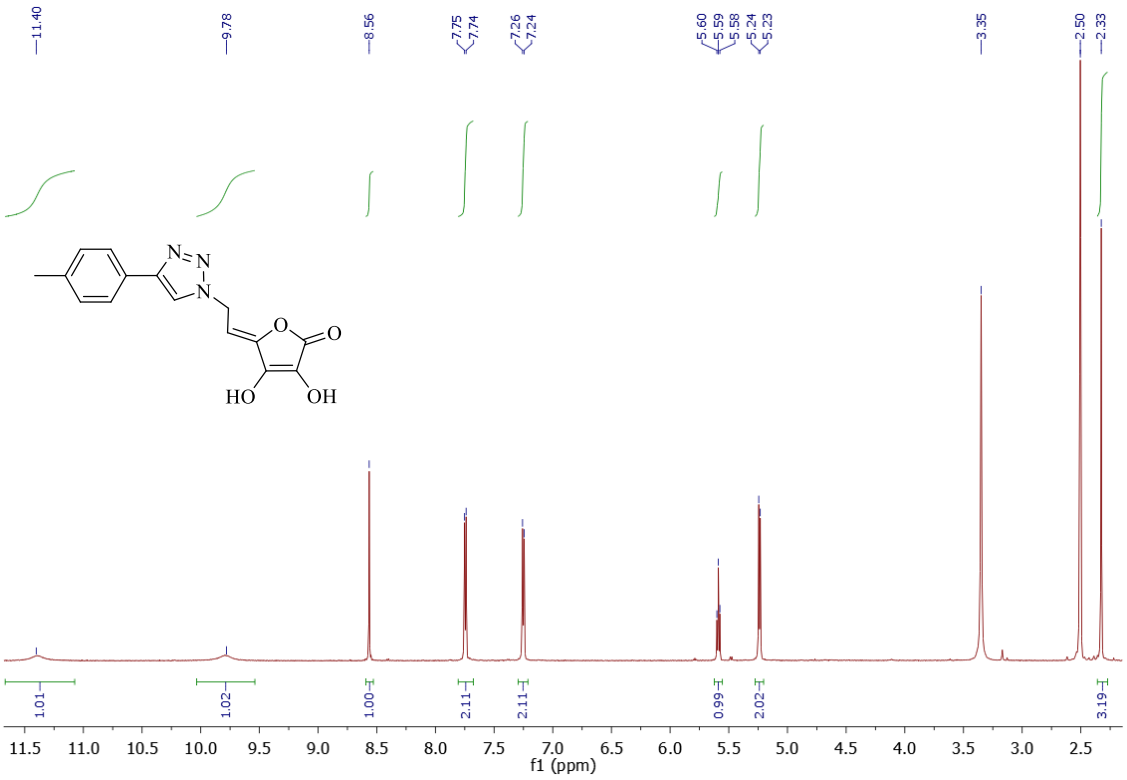


Figure S22. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7f**.

a)



b)

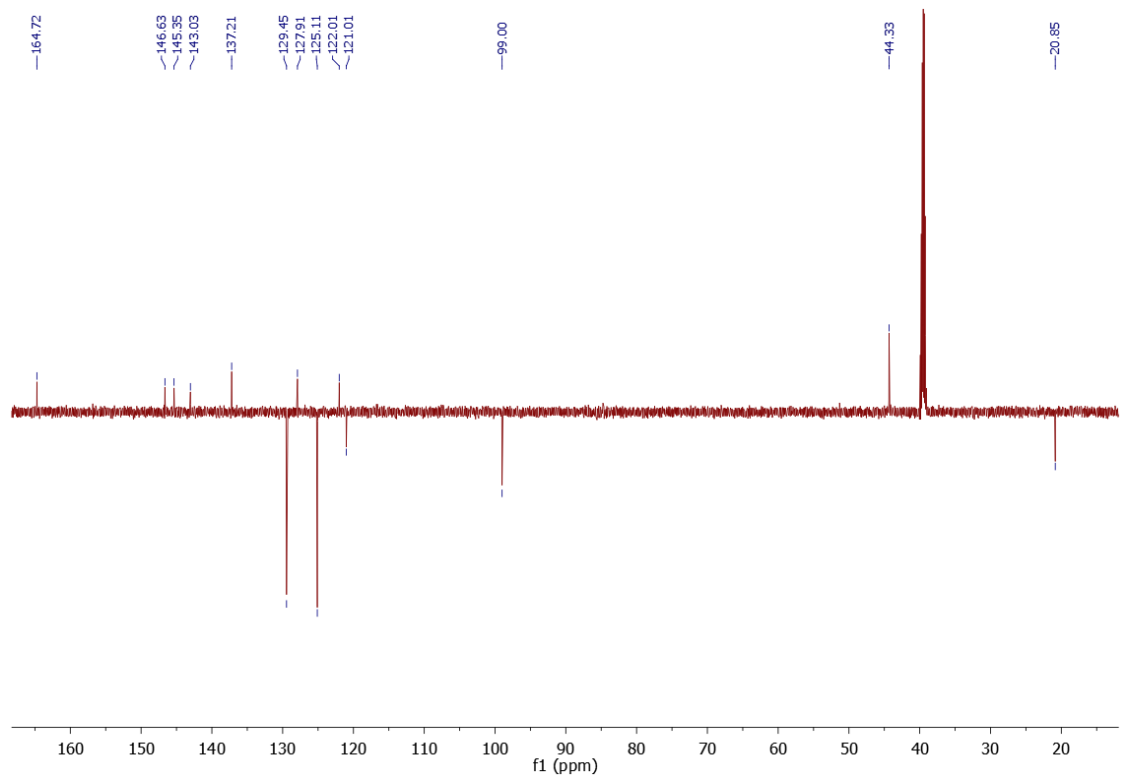
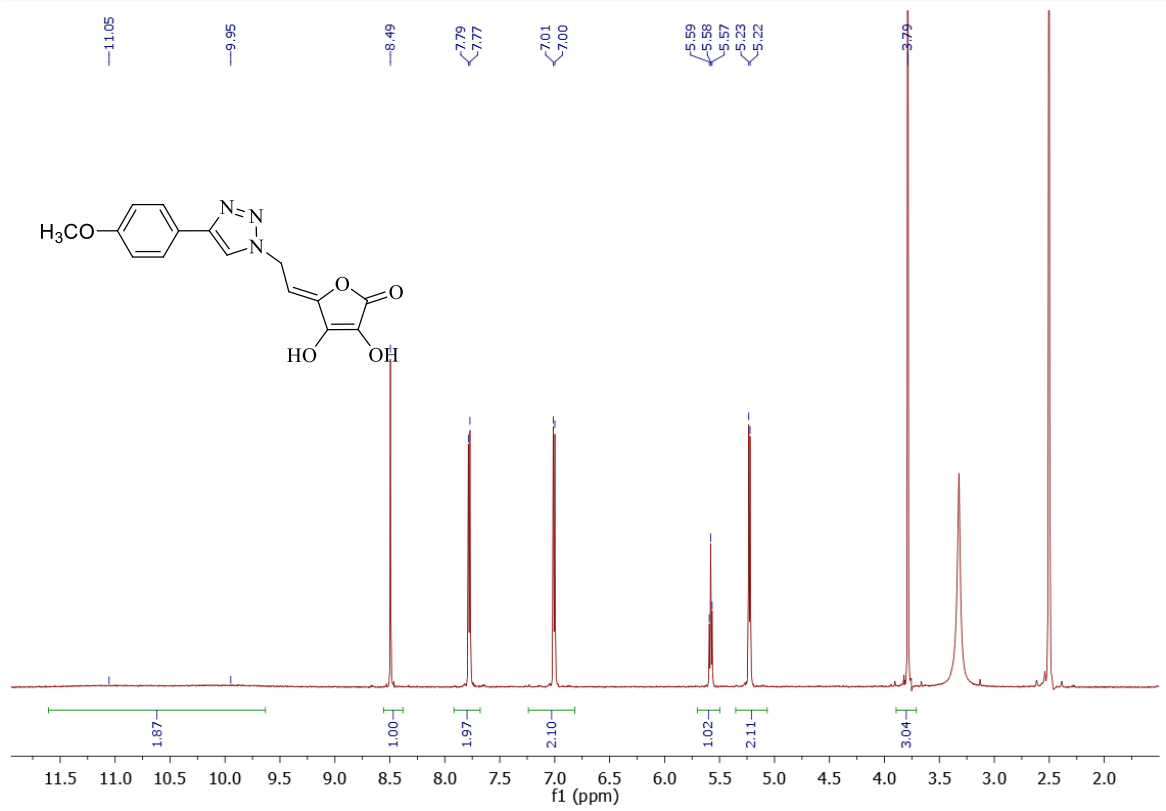


Figure S23. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7g**.

a)



b)

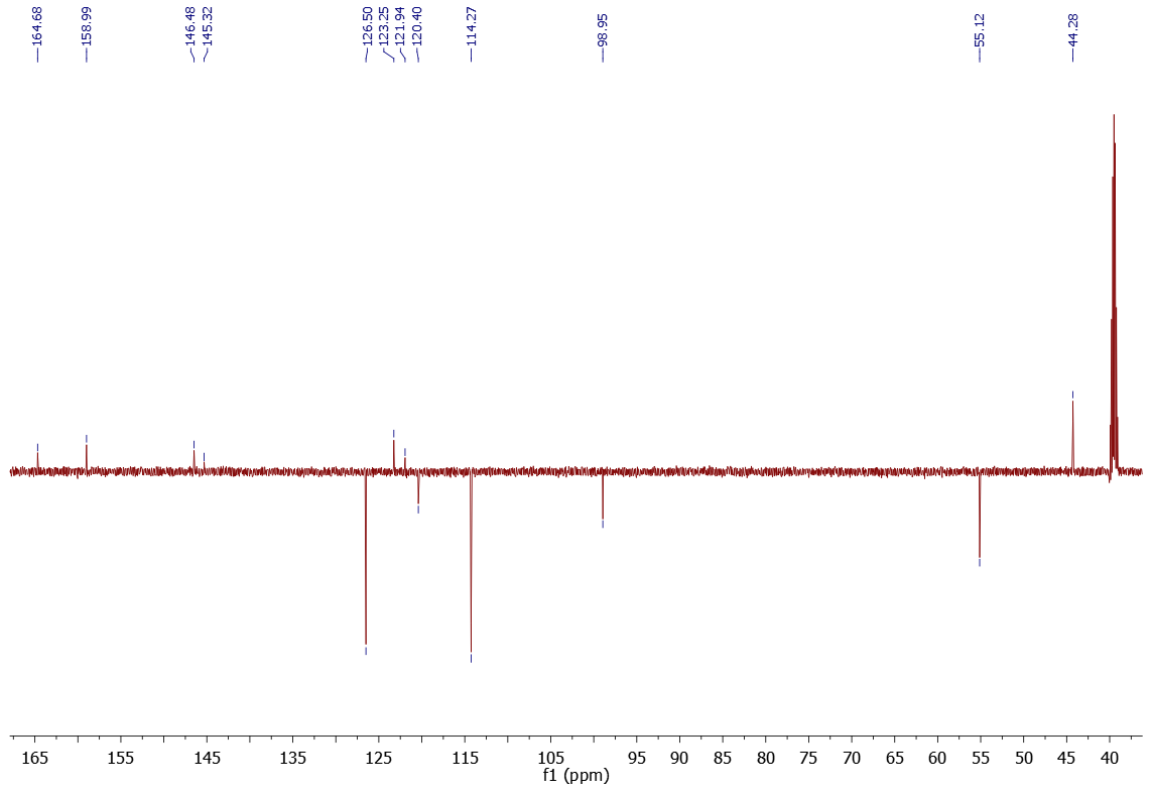
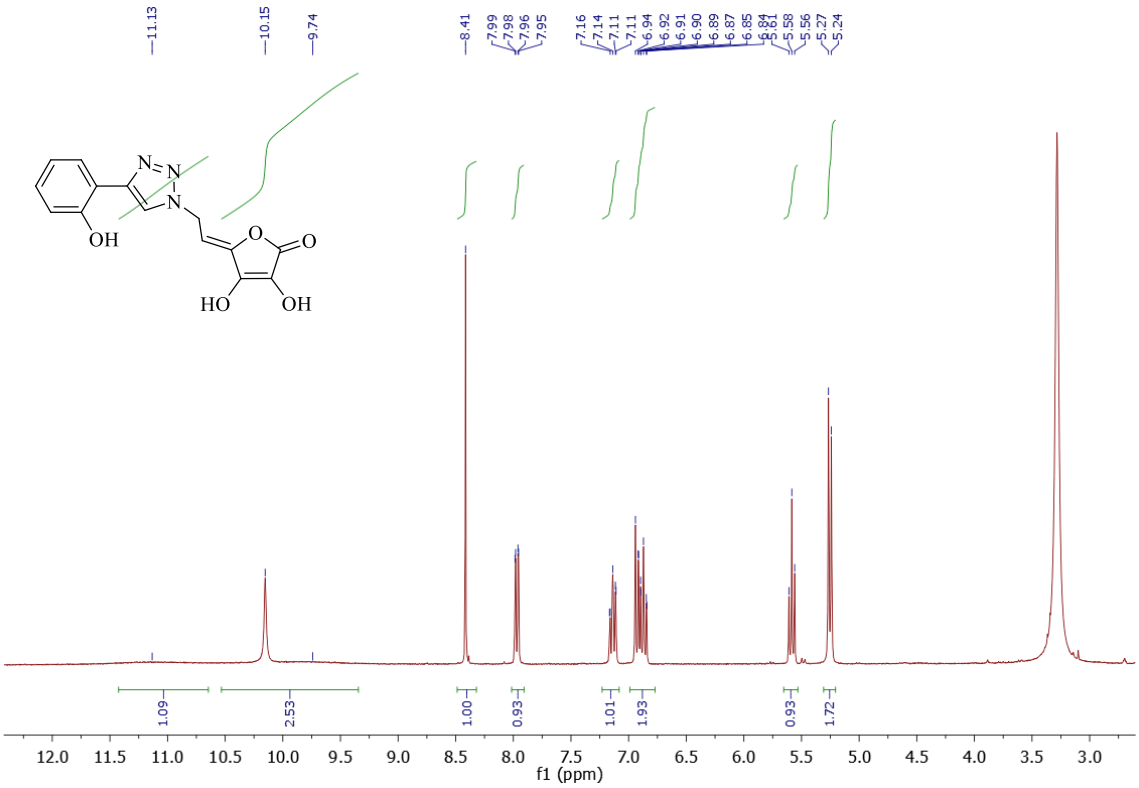


Figure S24. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7i**.

a)



b)

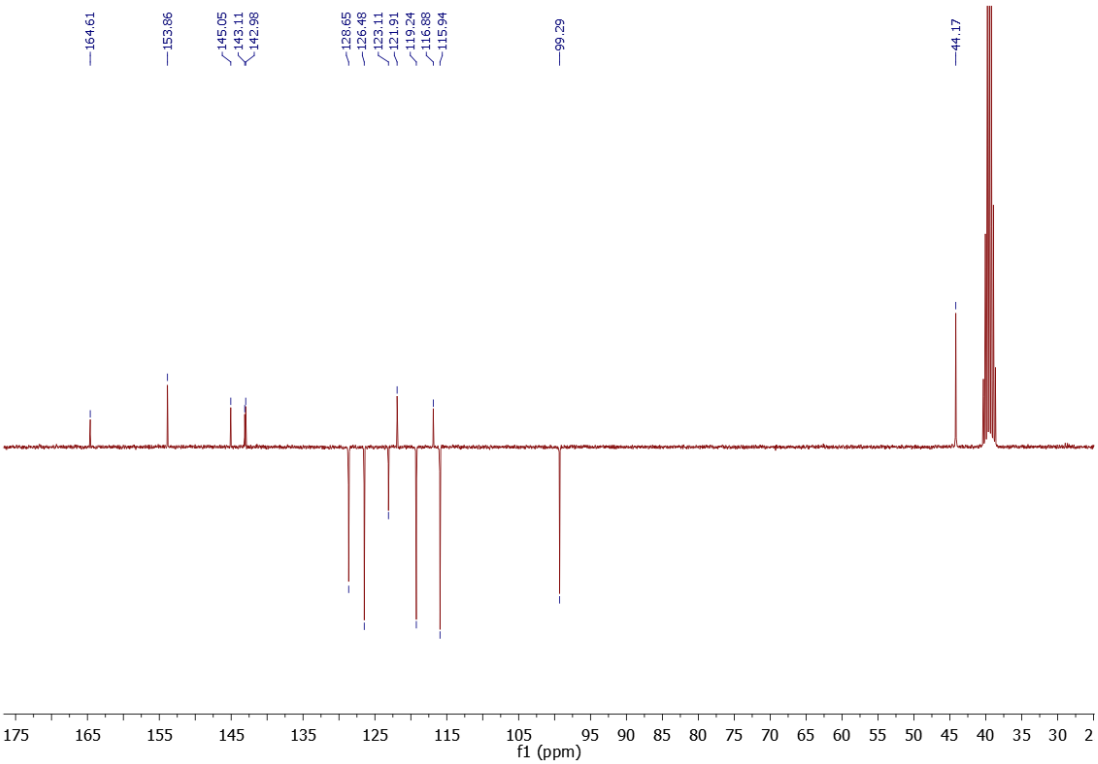
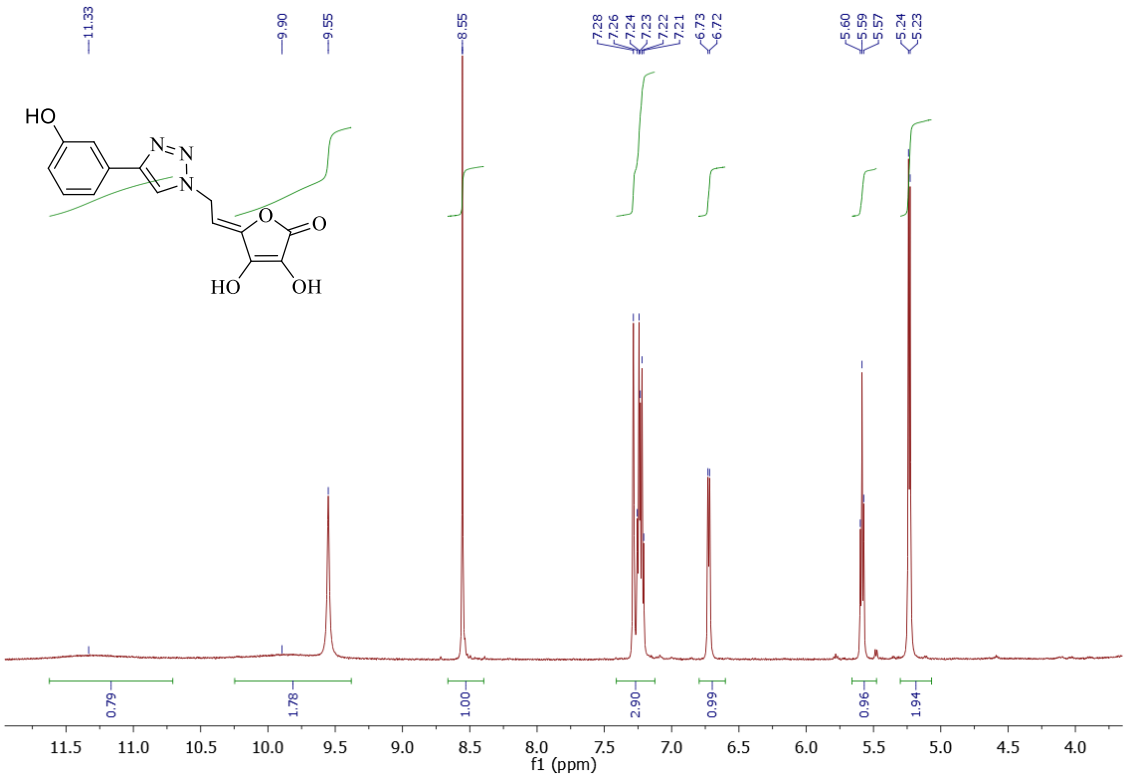


Figure S25. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7j**.

a)



b)

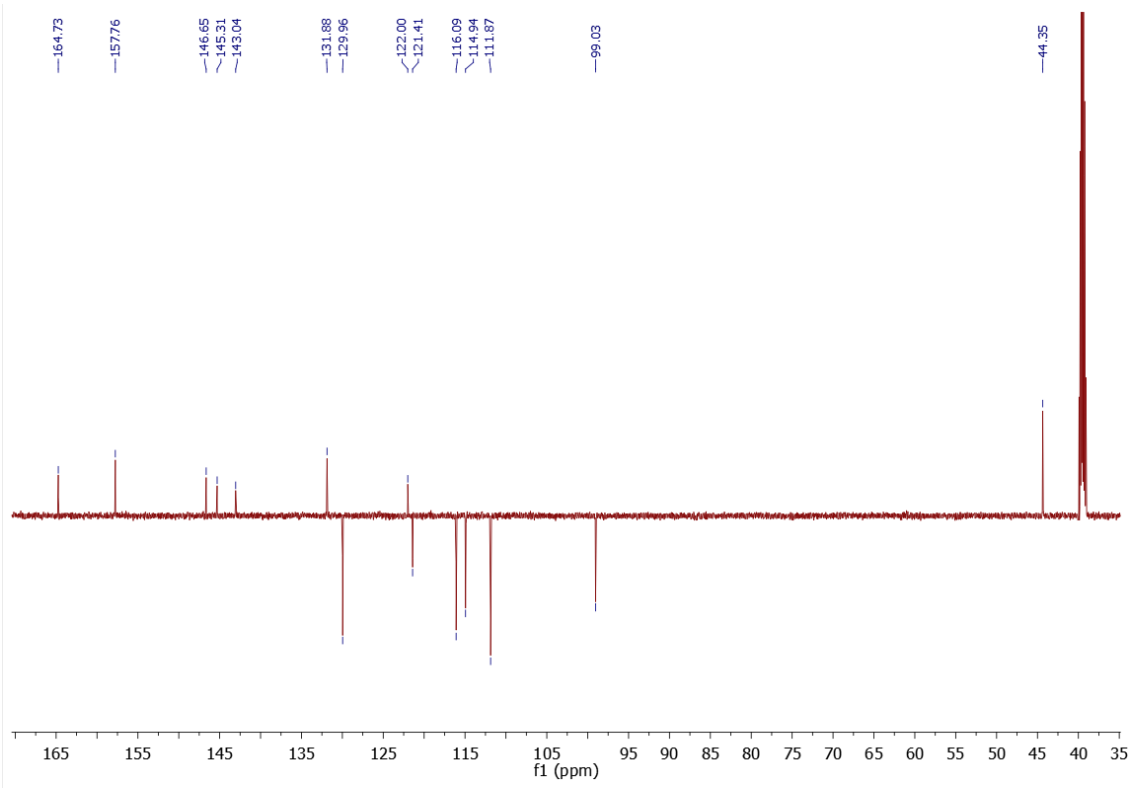
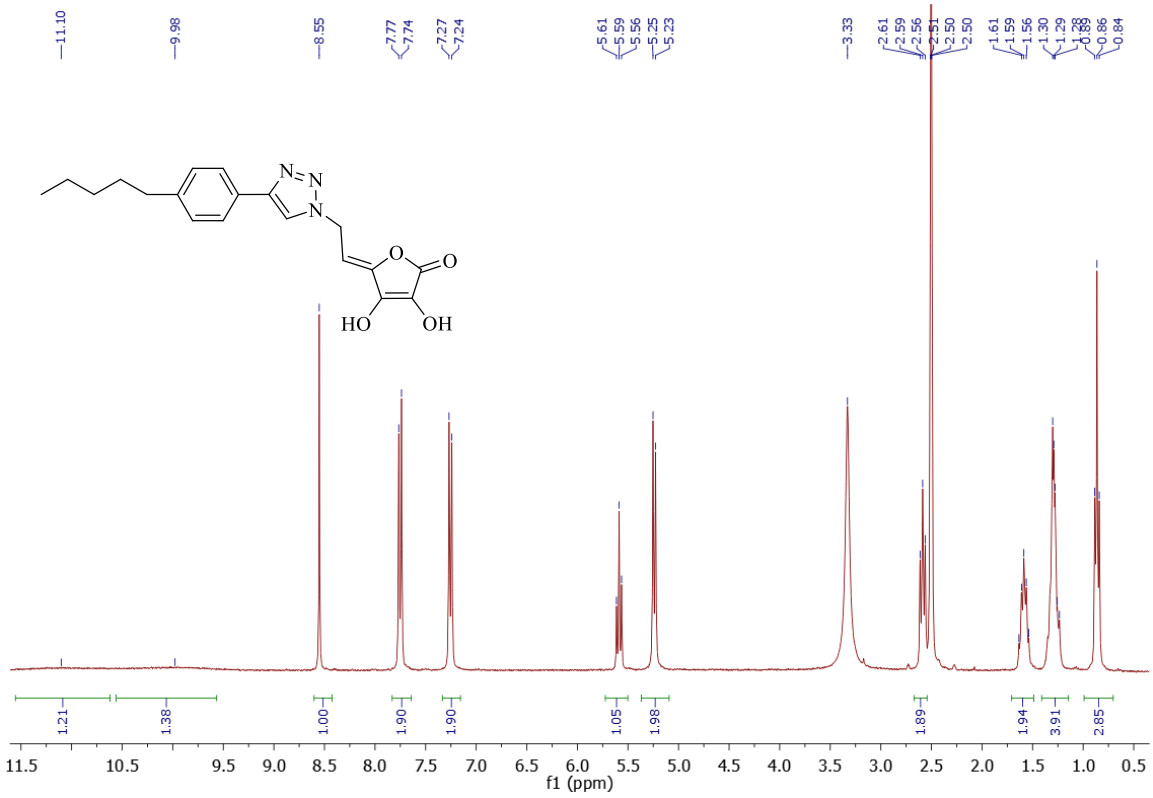


Figure S26. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7k**.

a)



b)

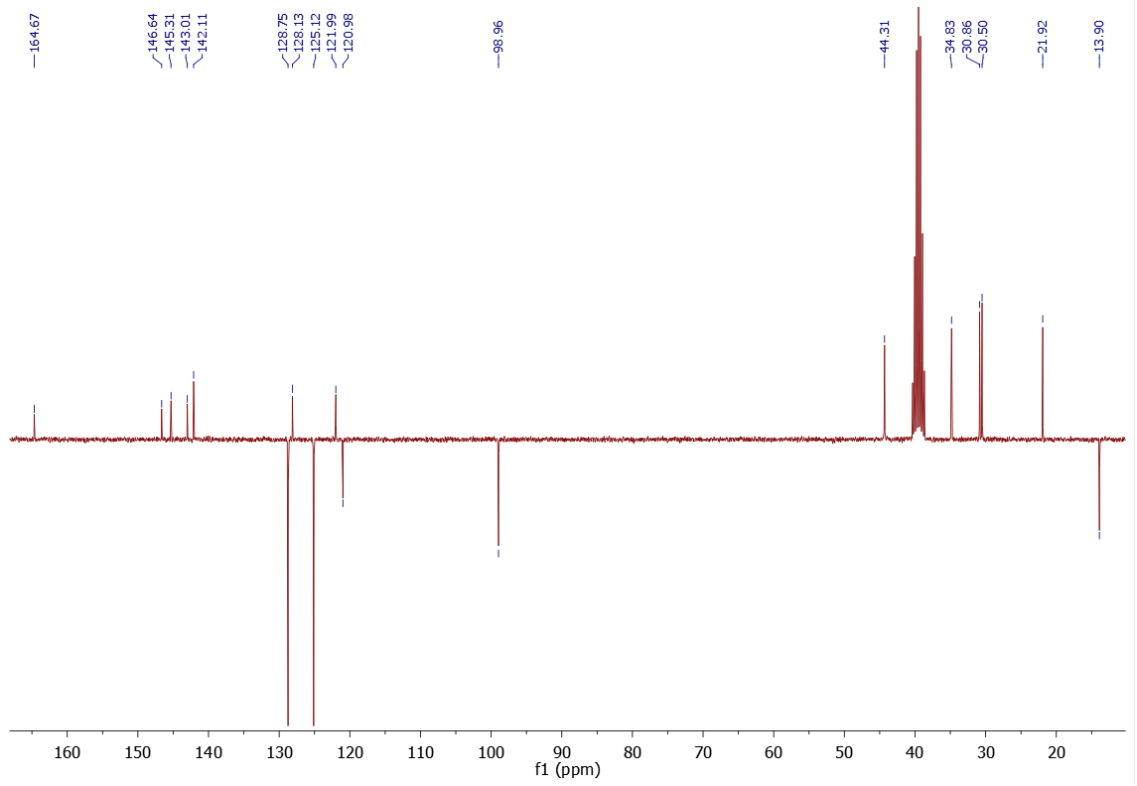
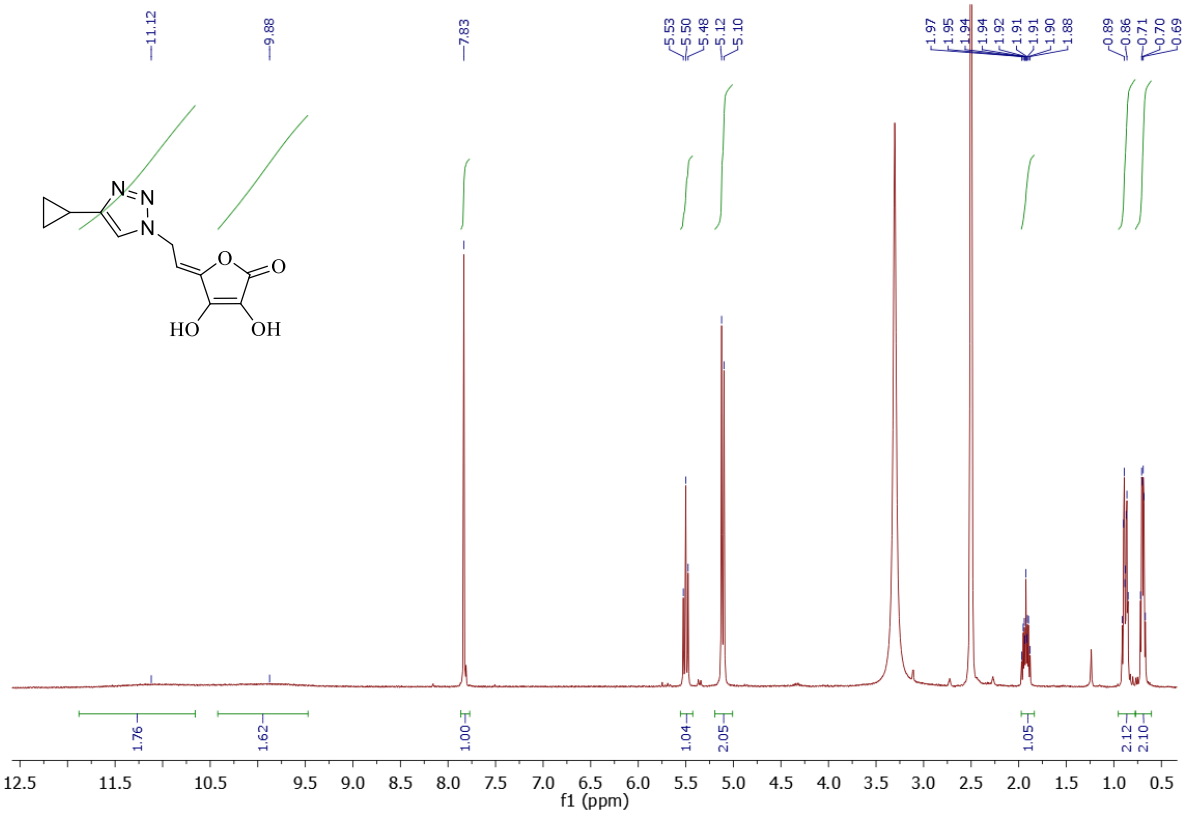


Figure S27. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7l**.

a)



b)

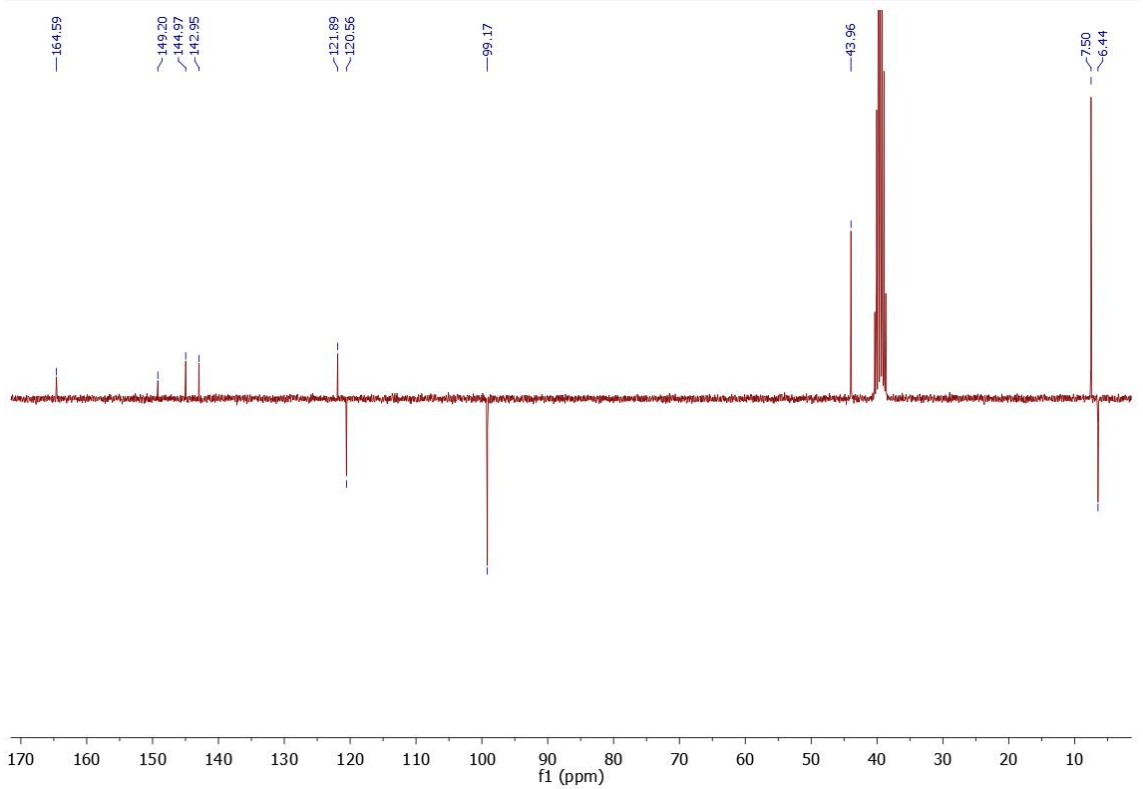
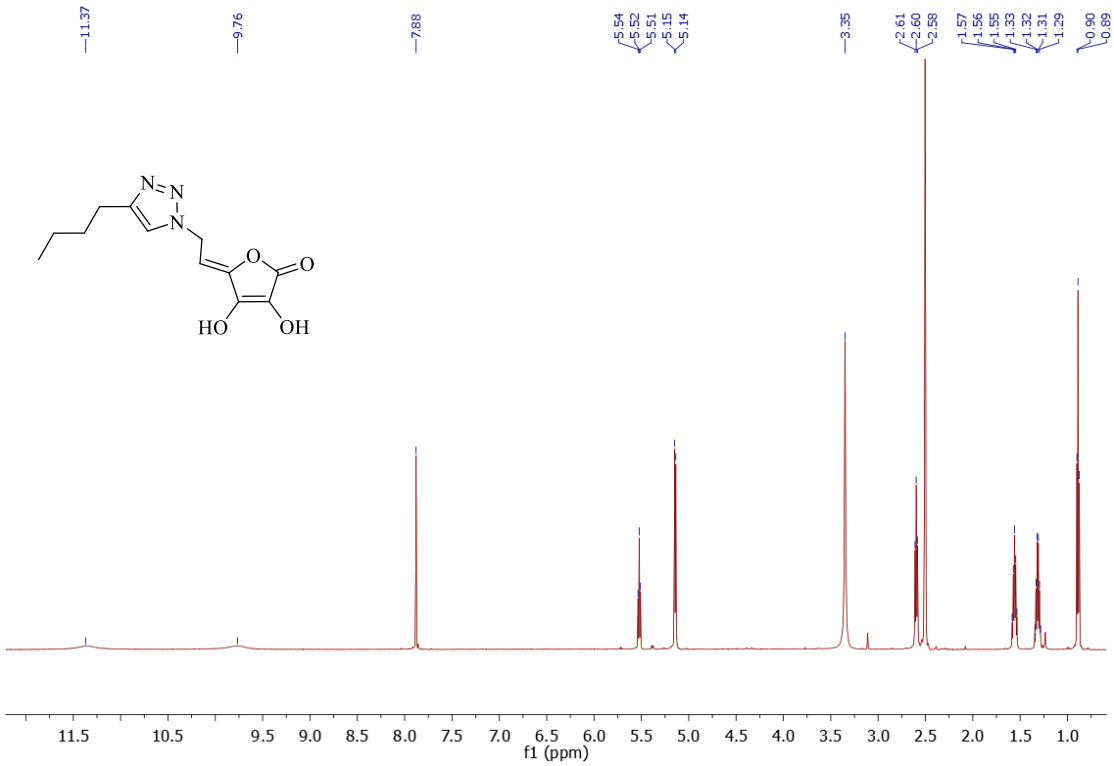


Figure S28. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7m**.

a)



b)

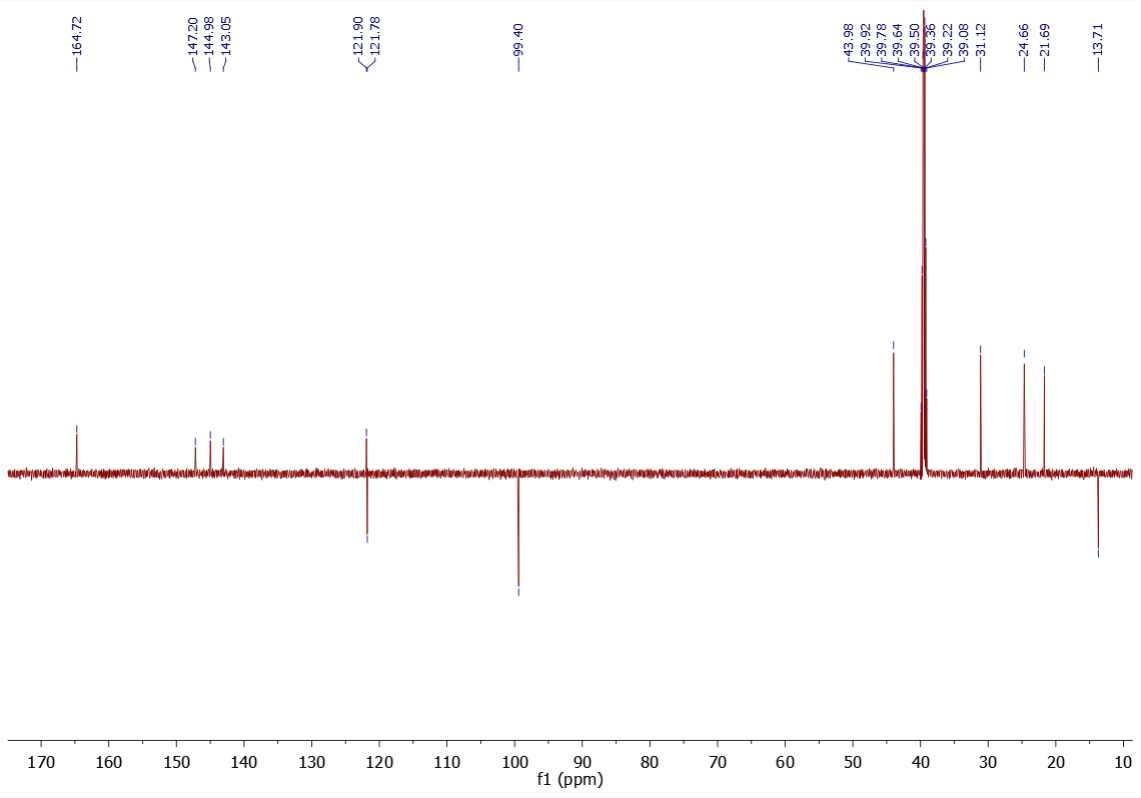
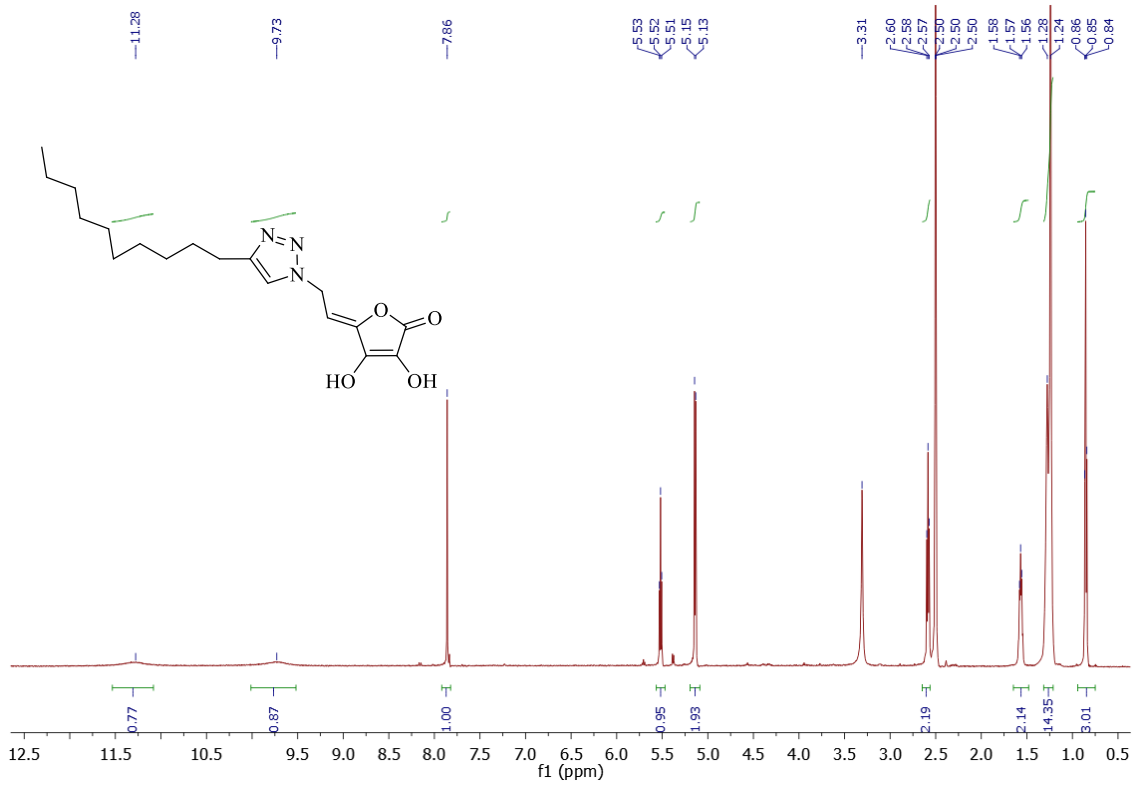


Figure S29. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7n**.

a)



b)

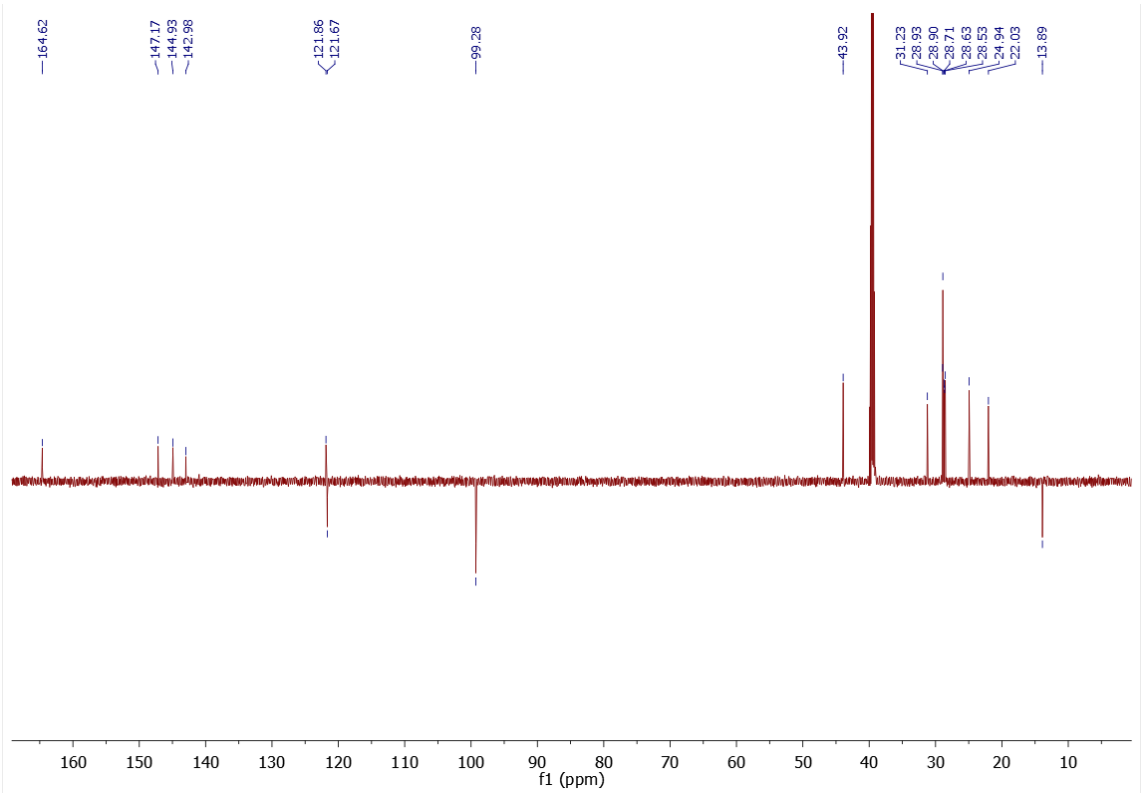
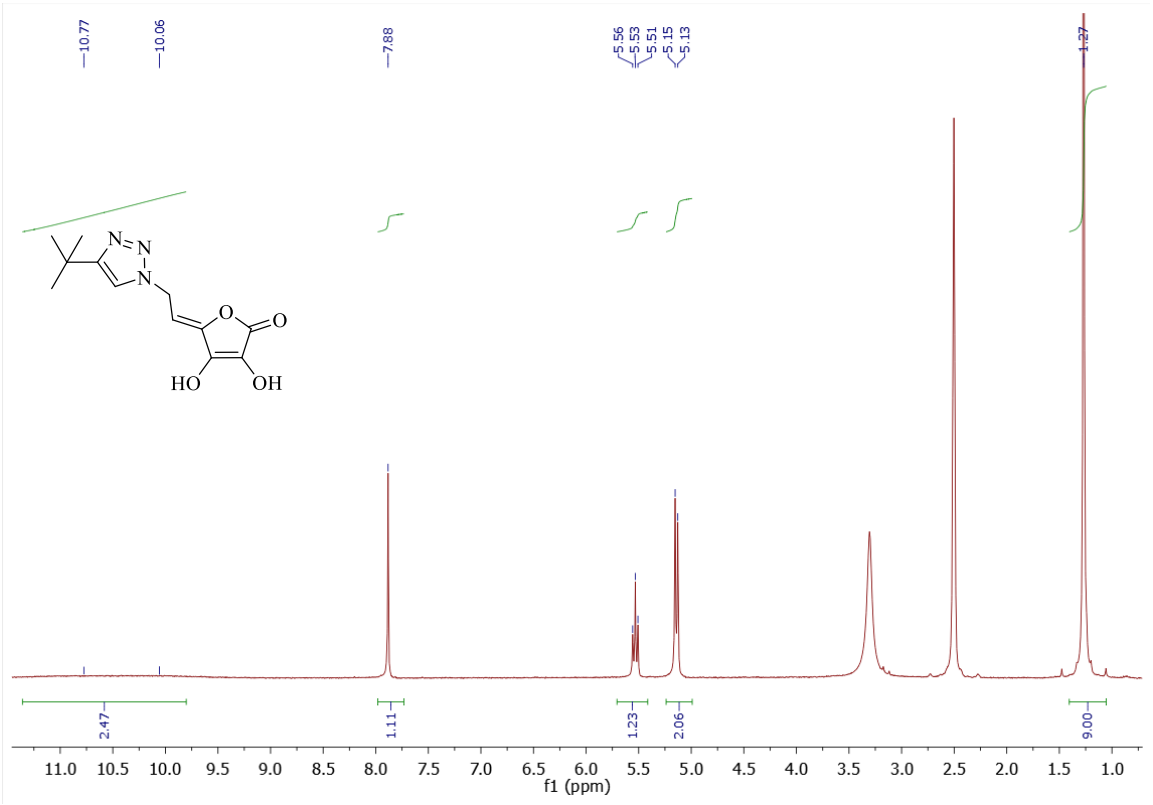


Figure S30. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7o**.

a)



b)

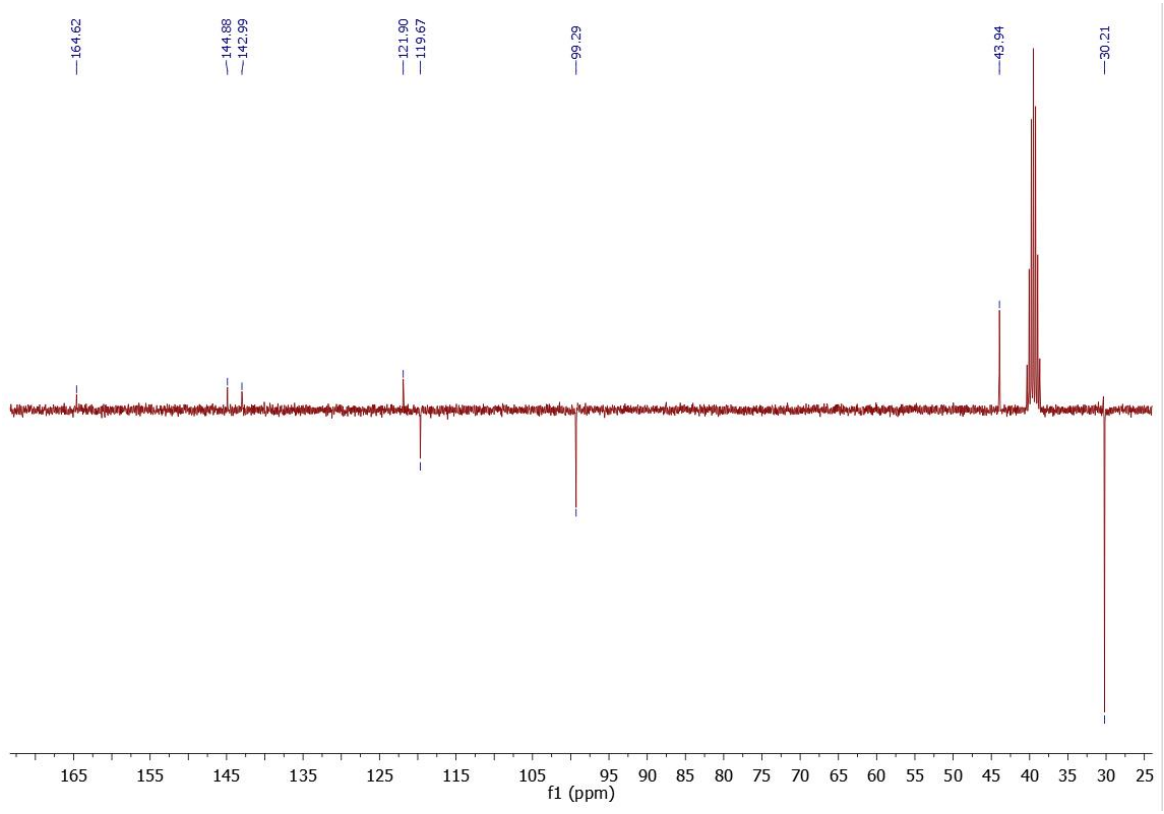
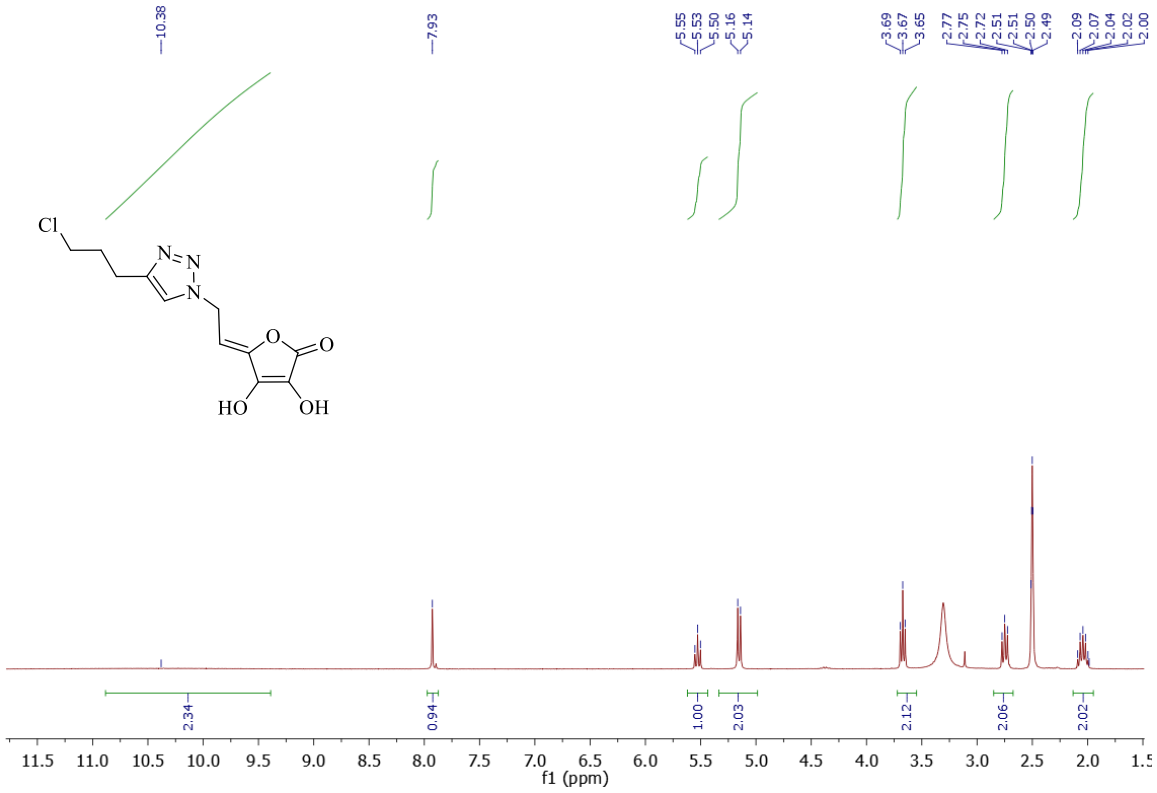


Figure S31. a) ^{1}H NMR and b) ^{13}C NMR of compd. **7p**.

a)



b)

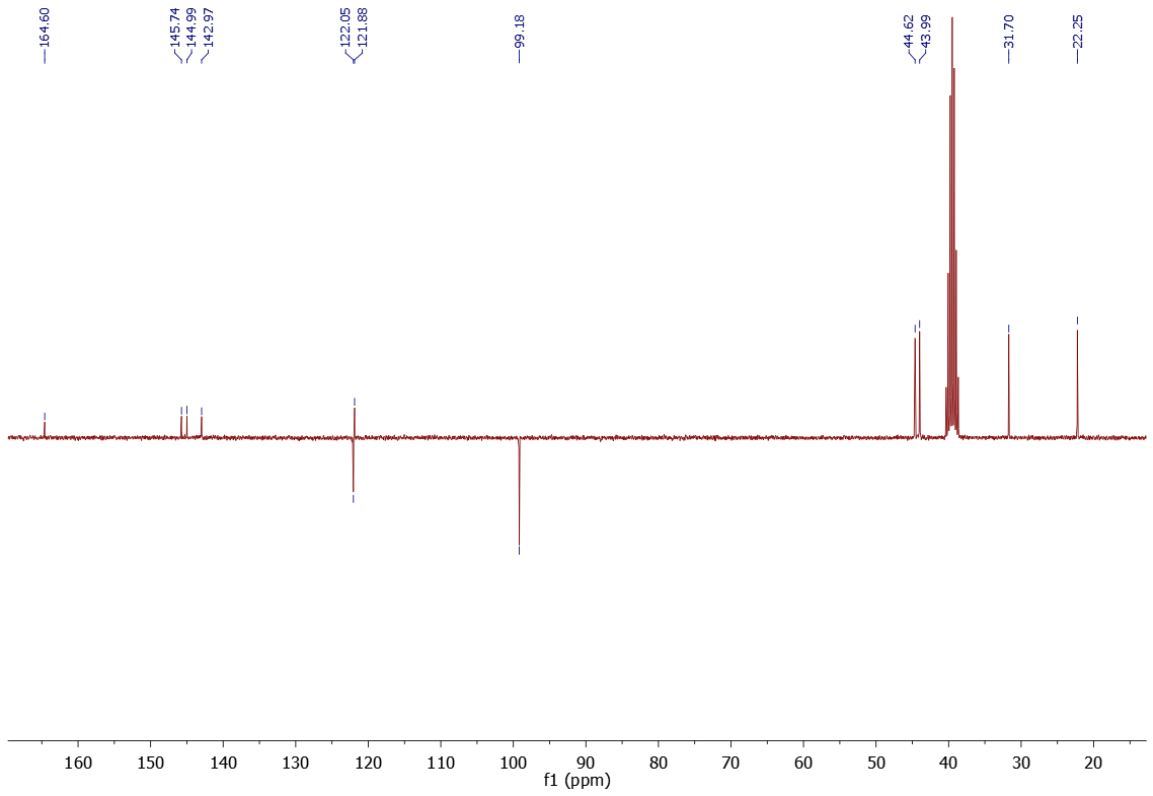
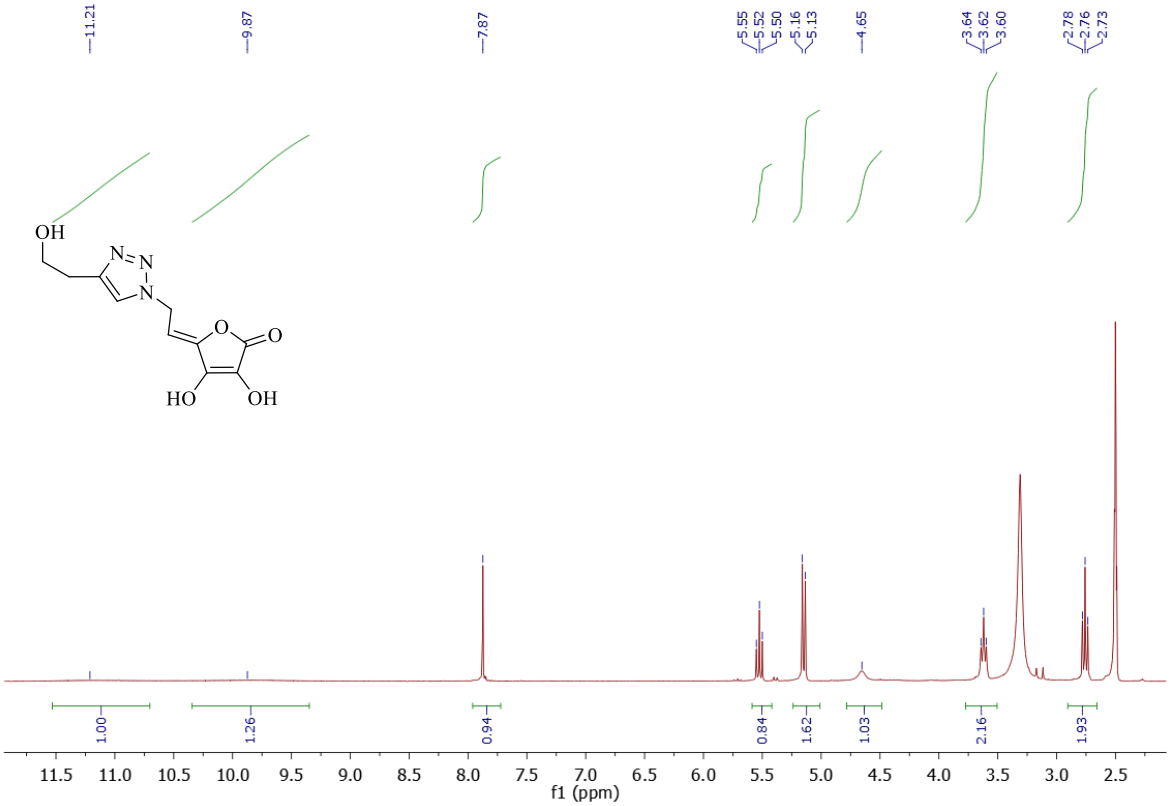


Figure S32 a) ^{1}H NMR and b) ^{13}C NMR of compd. **7q**.

a)



b)