

Supplementary Information associated with the paper

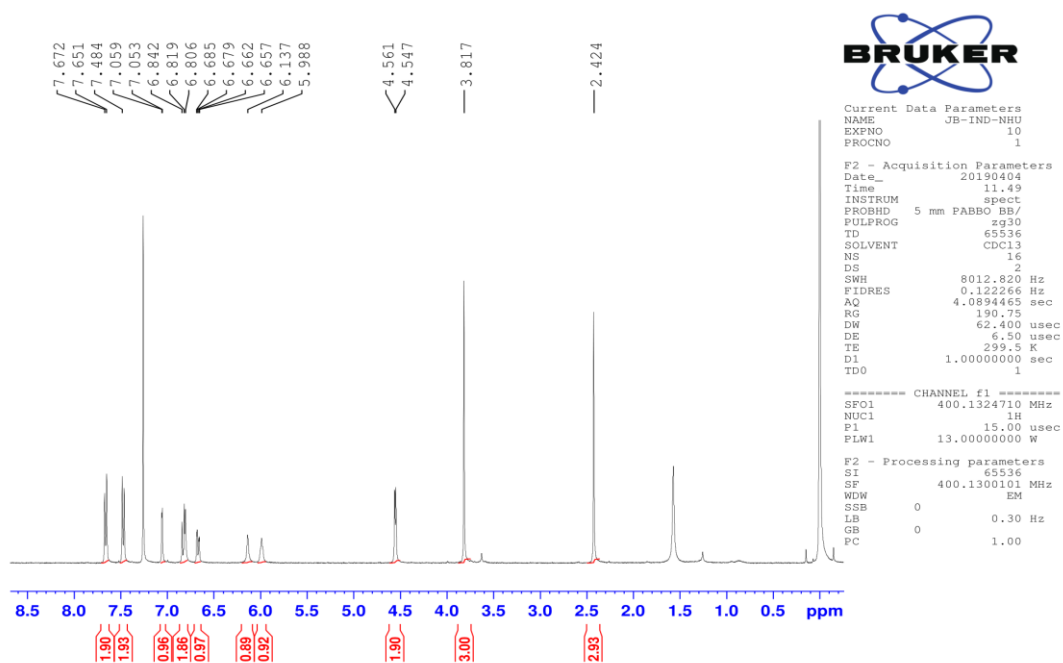
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2. Statistically significant differences (Wilcoxon test) between tested compounds.	16-17
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(a)



(b)

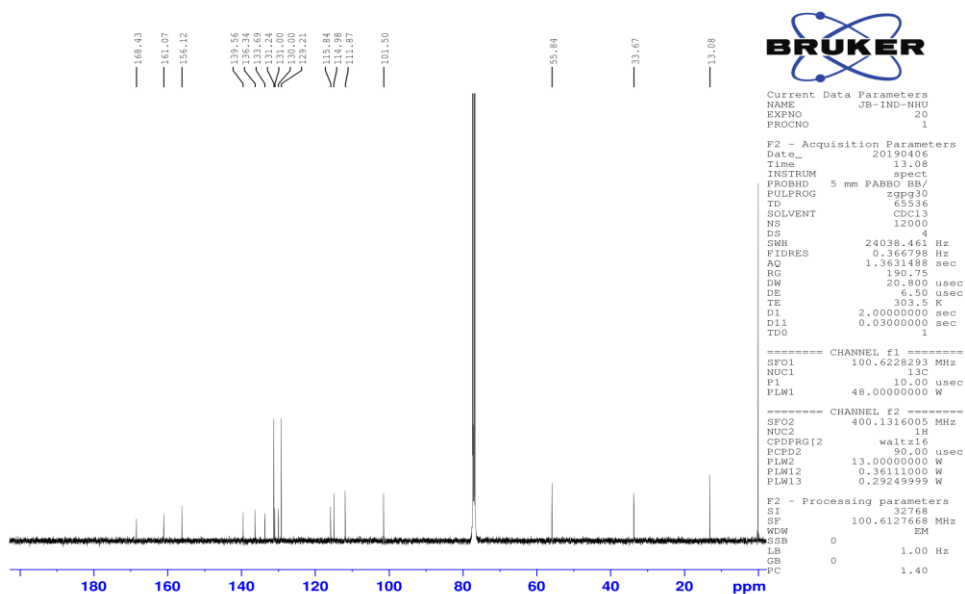
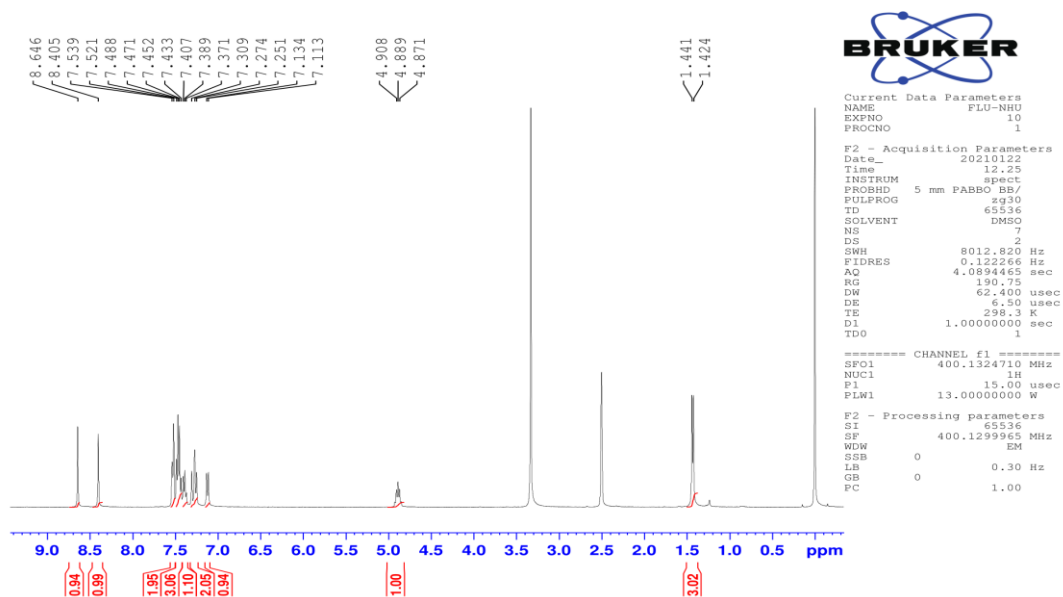


Figure S1. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 1 (IND-NHU).

(a)



(b)

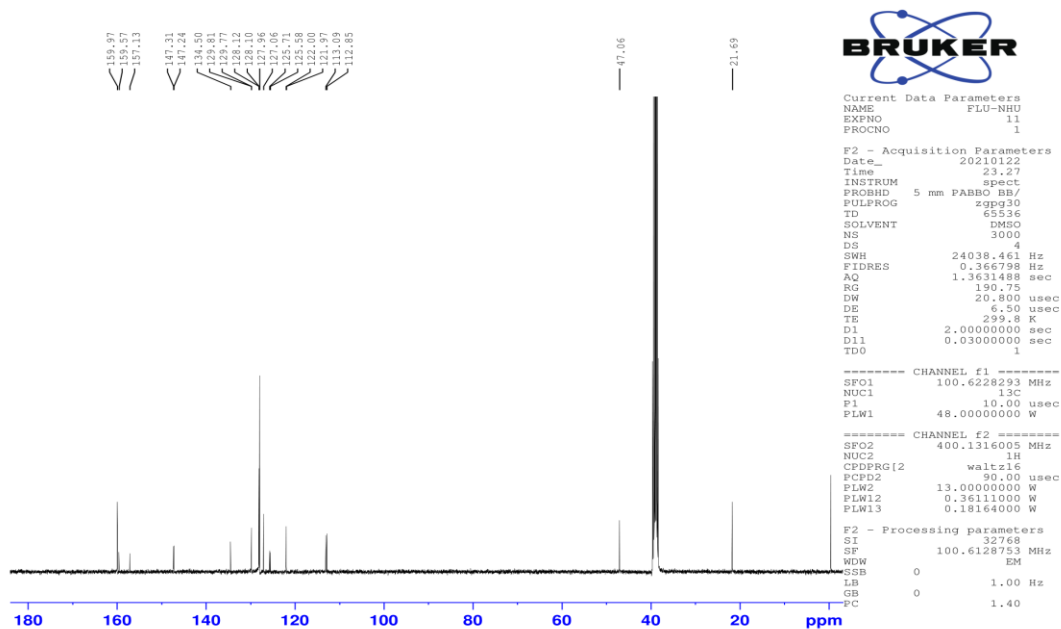
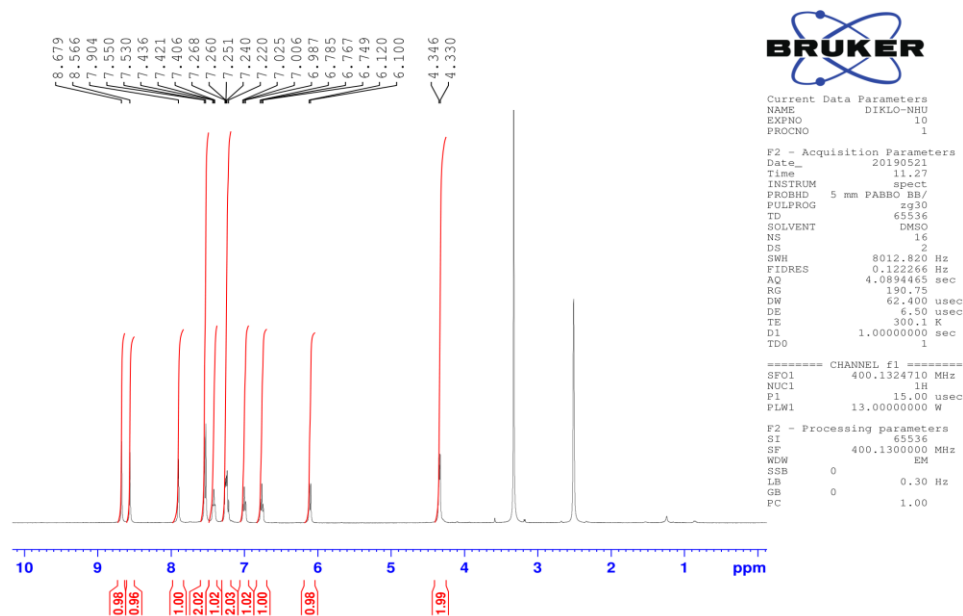
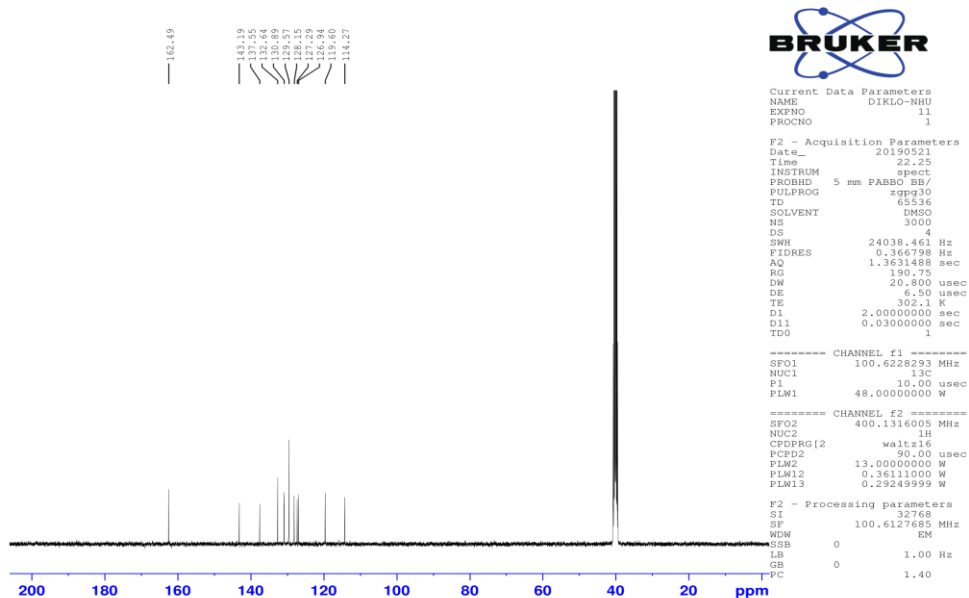


Figure S2. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 2 (FLU-NHU).

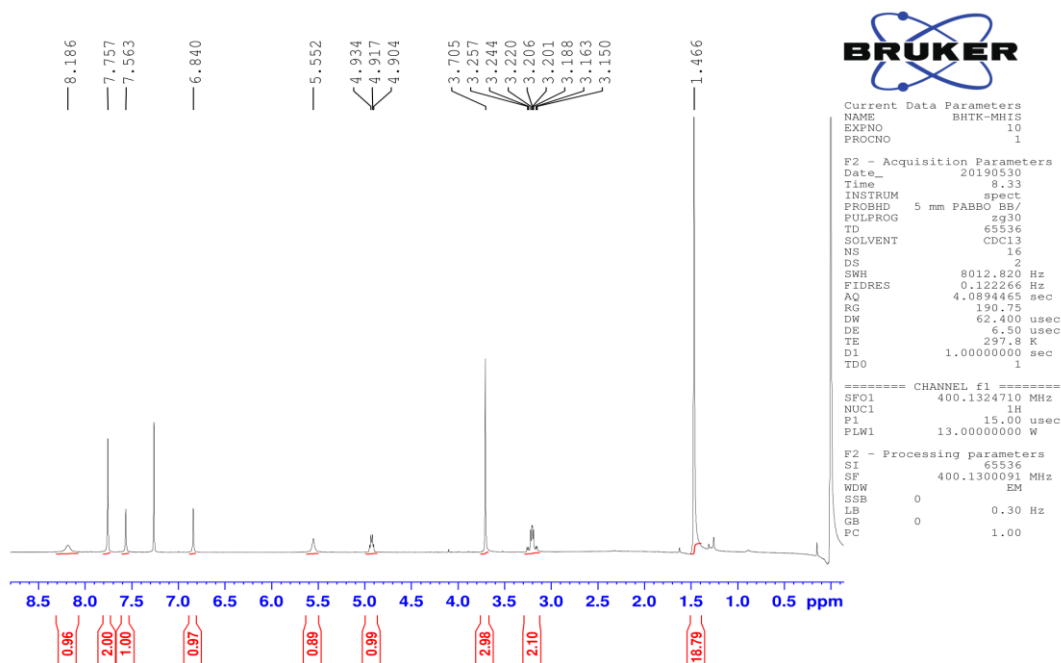
(a)





(b)

Figure S3. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 3 (DIKLO-NHU).



(a)

(b)

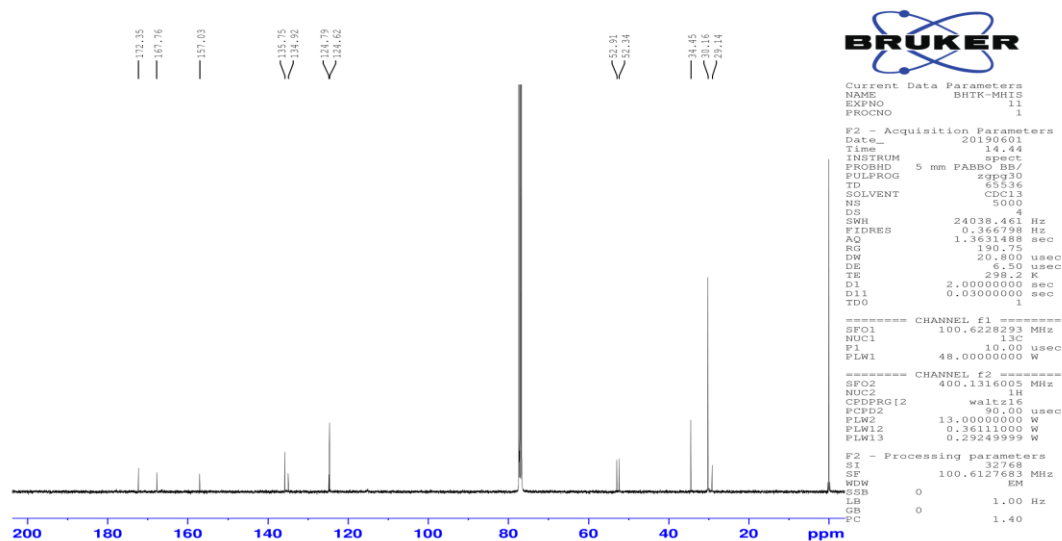
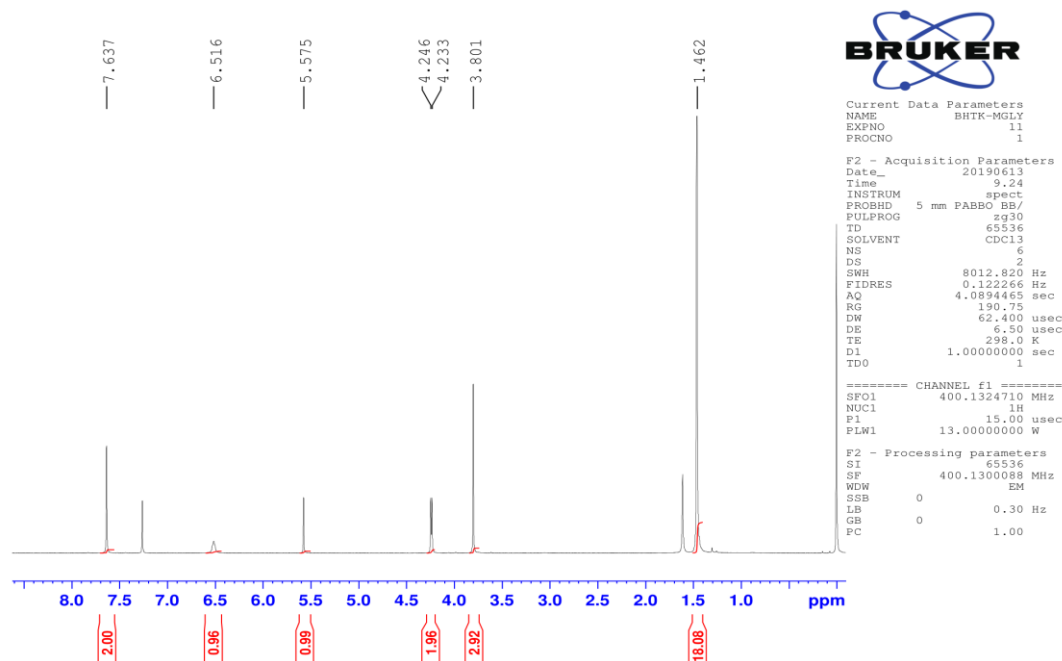


Figure S4. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 4 (BHTK-MHIS).

(a)



(b)

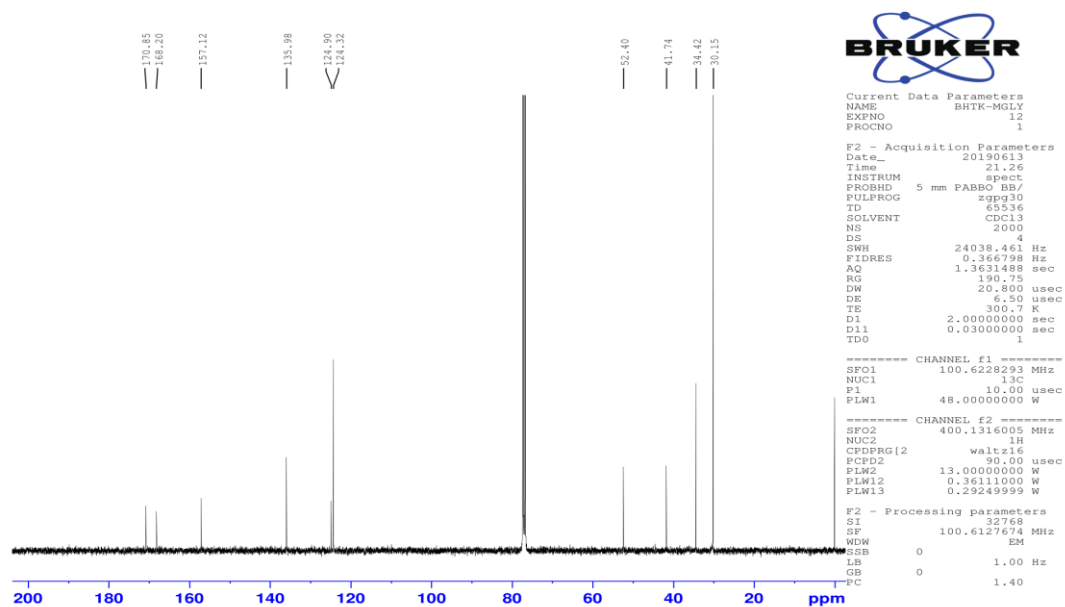
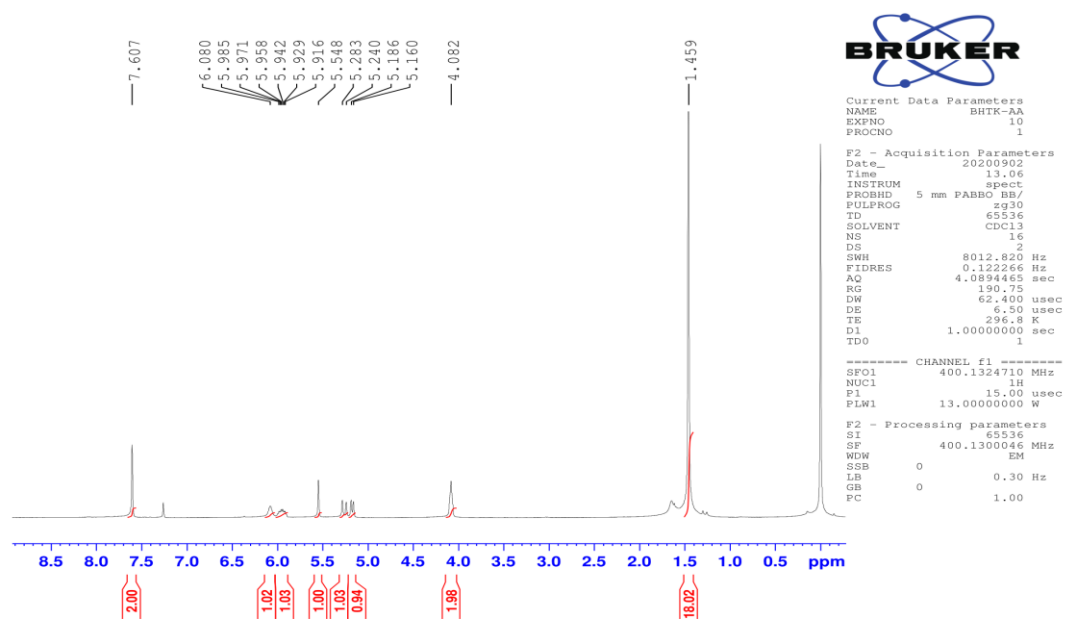


Figure S5. ¹H NMR spectrum (a) and ¹³C NMR (b) of compound 5 (BHTK-MGLY).

(a)



(b)

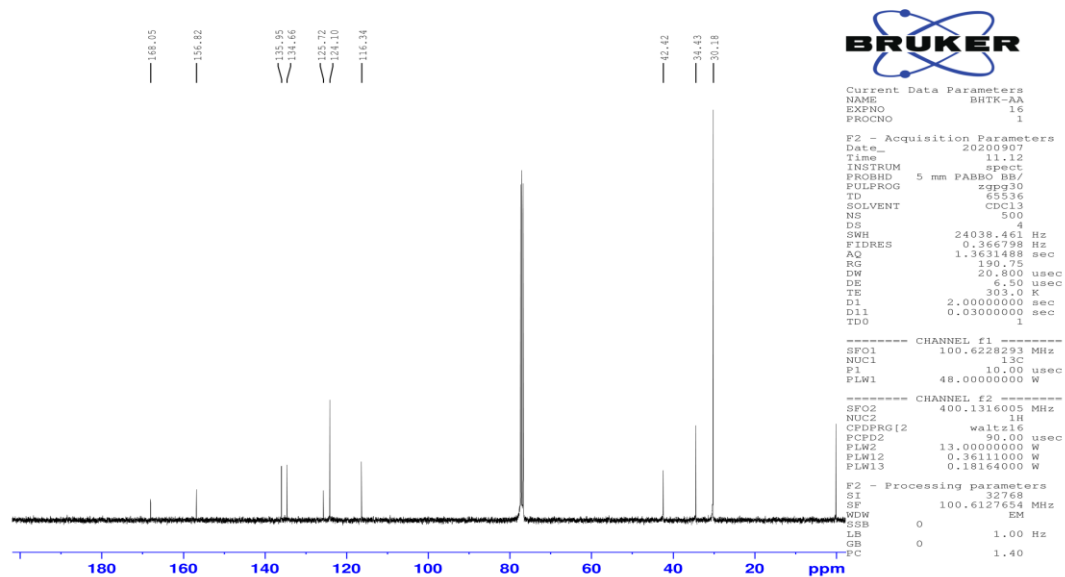
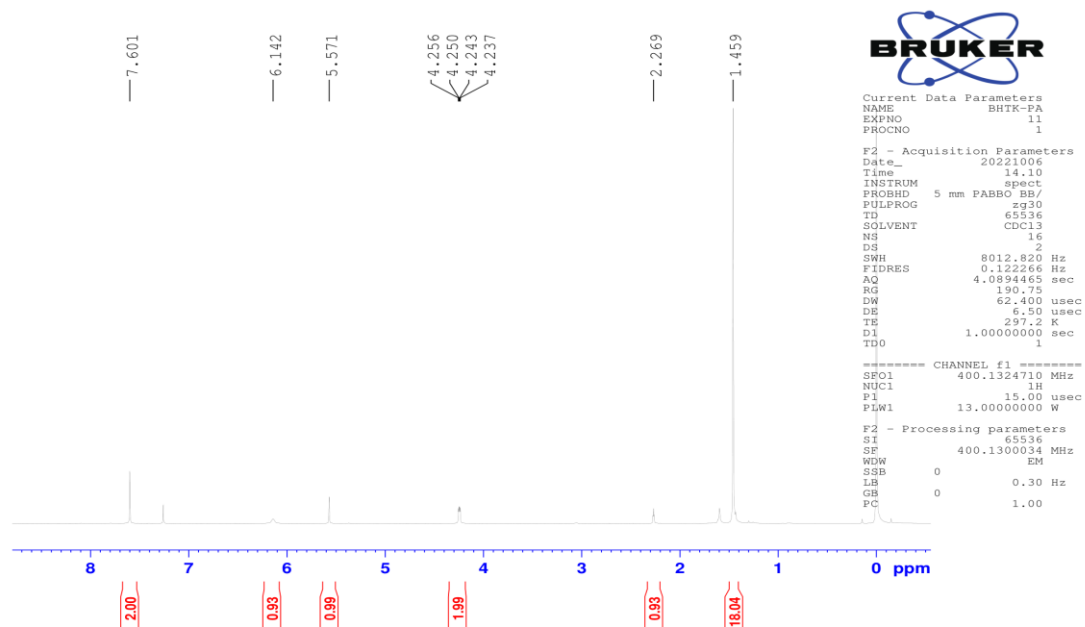


Figure S6. ¹H NMR spectrum (a) and ¹³C NMR (b) of compound 6 (BHTK-AA).

(a)



(b)

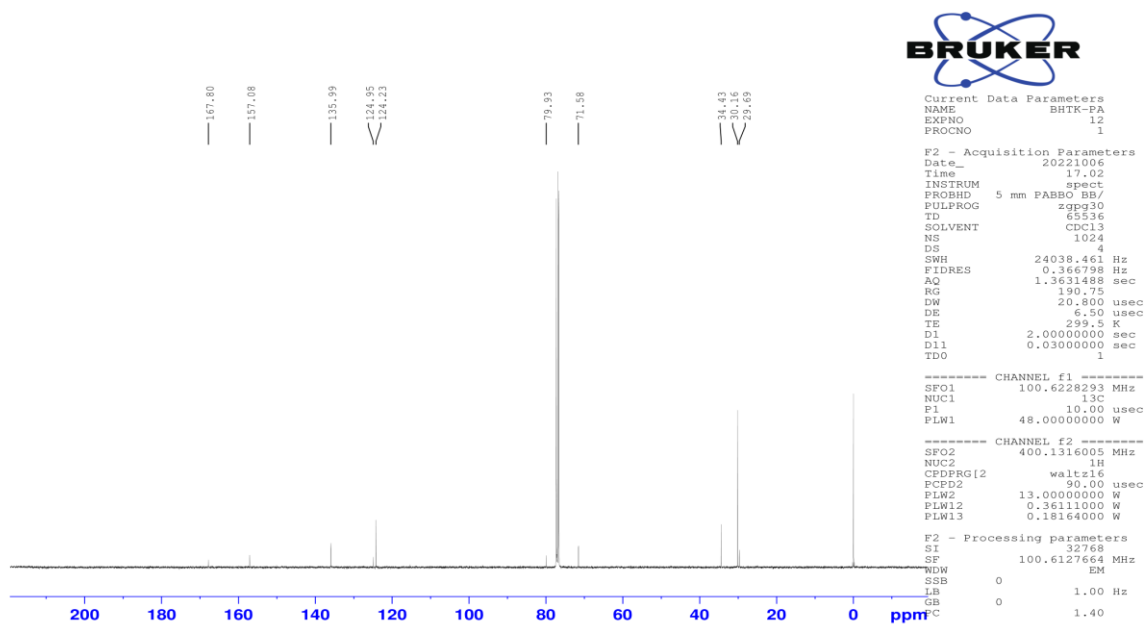
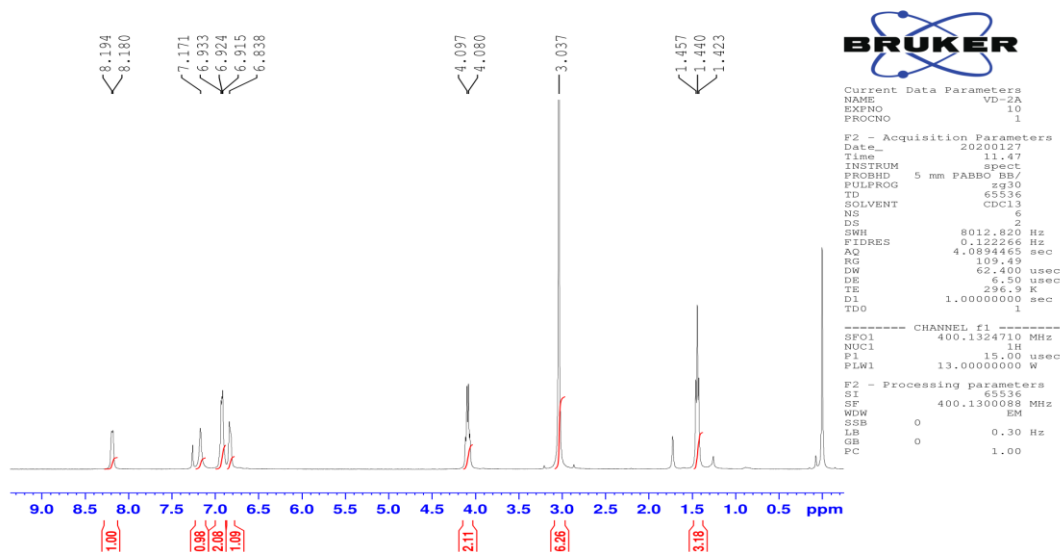


Figure S7. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 7 (BHTK-PA).

(a)



(b)

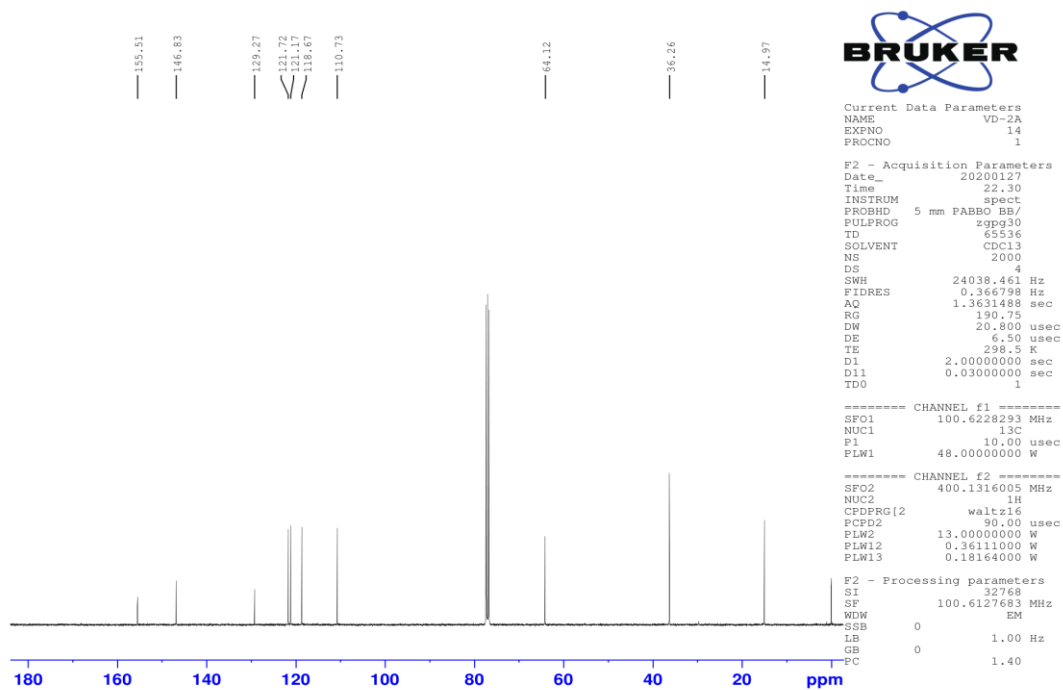
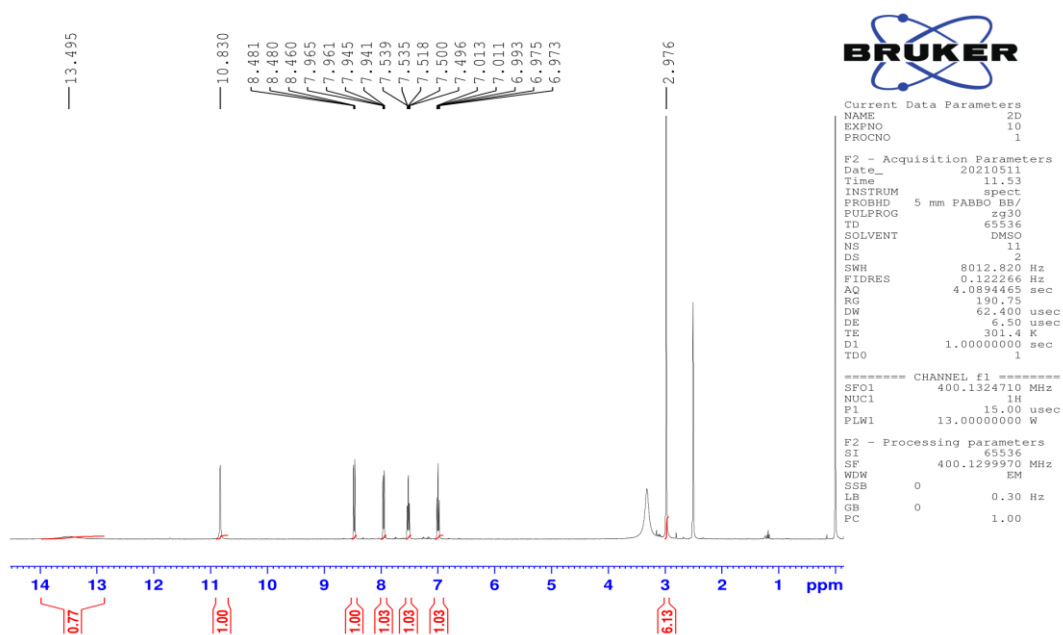


Figure S8. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 8 (2A).

(a)



(b)

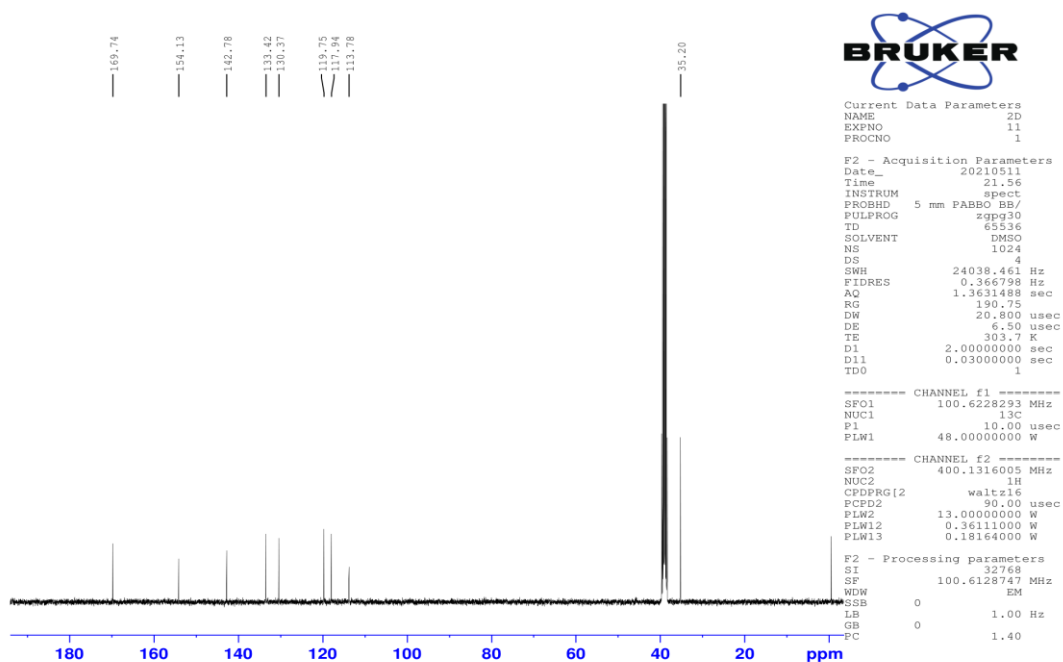
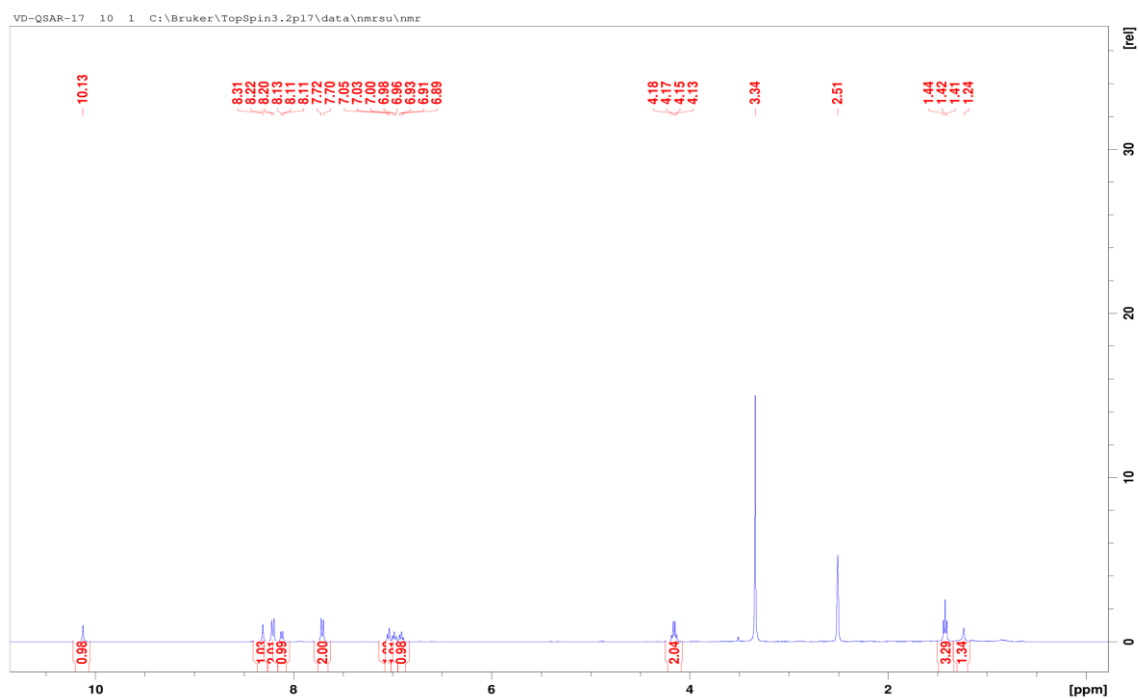


Figure S9. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound **9** (2D).

(a)



(b)

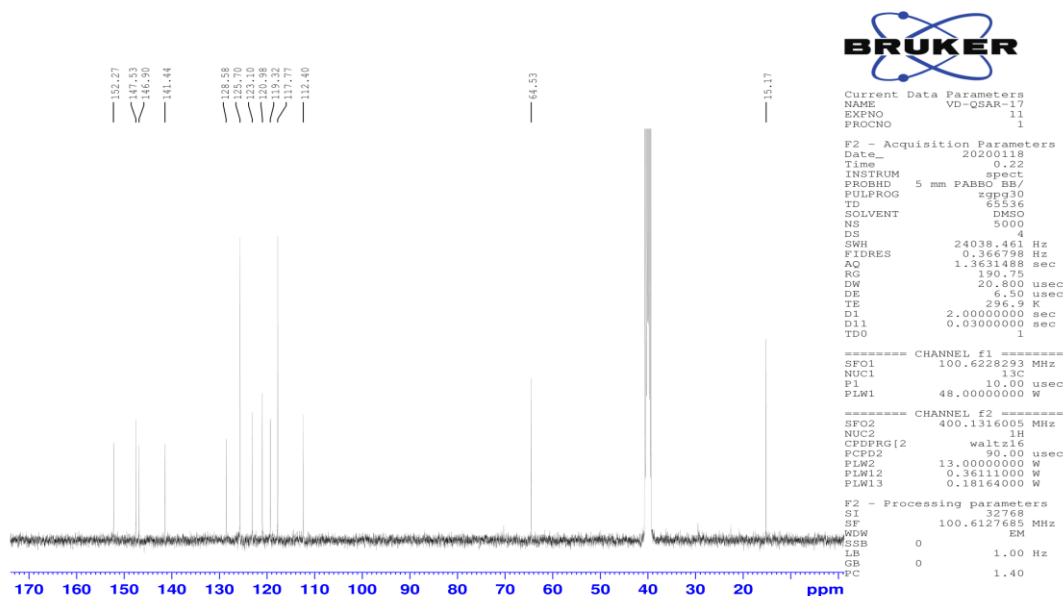
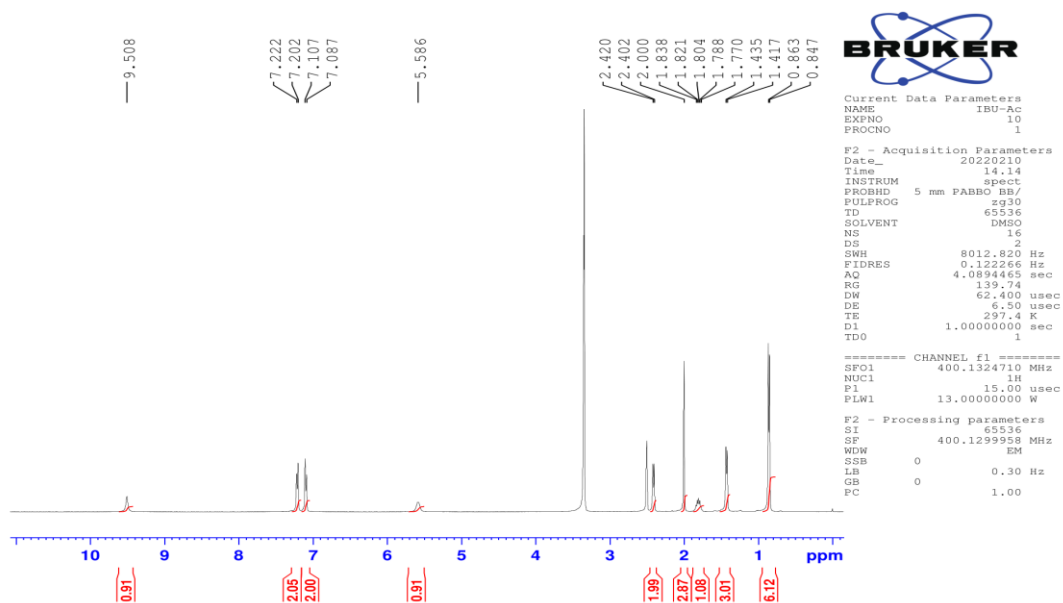


Figure S10. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 10 (QSAR17).

(a)



(b)

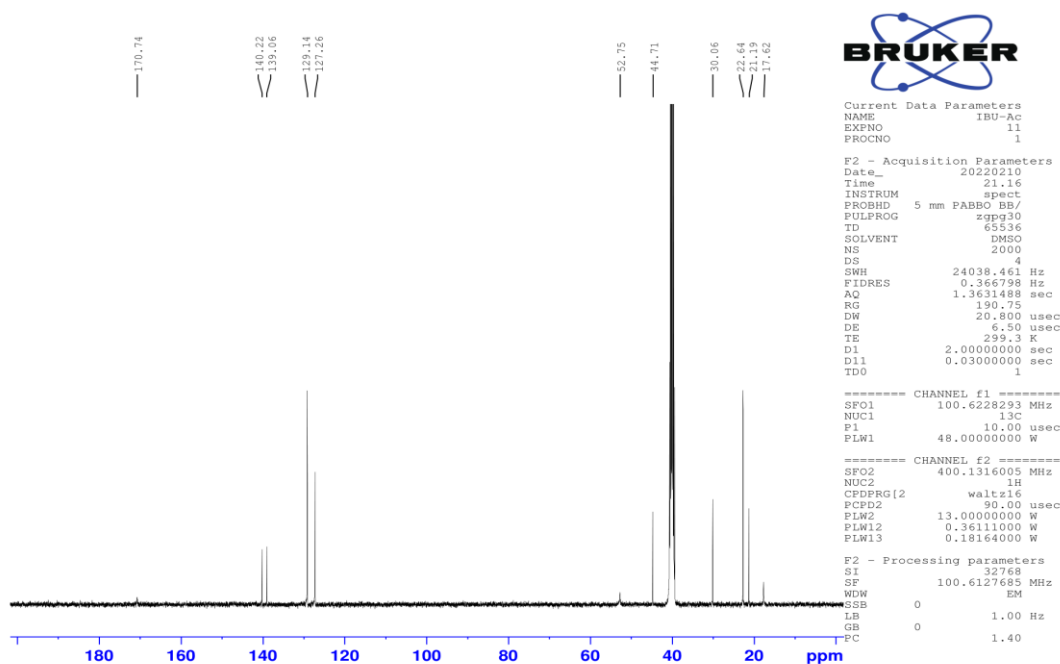
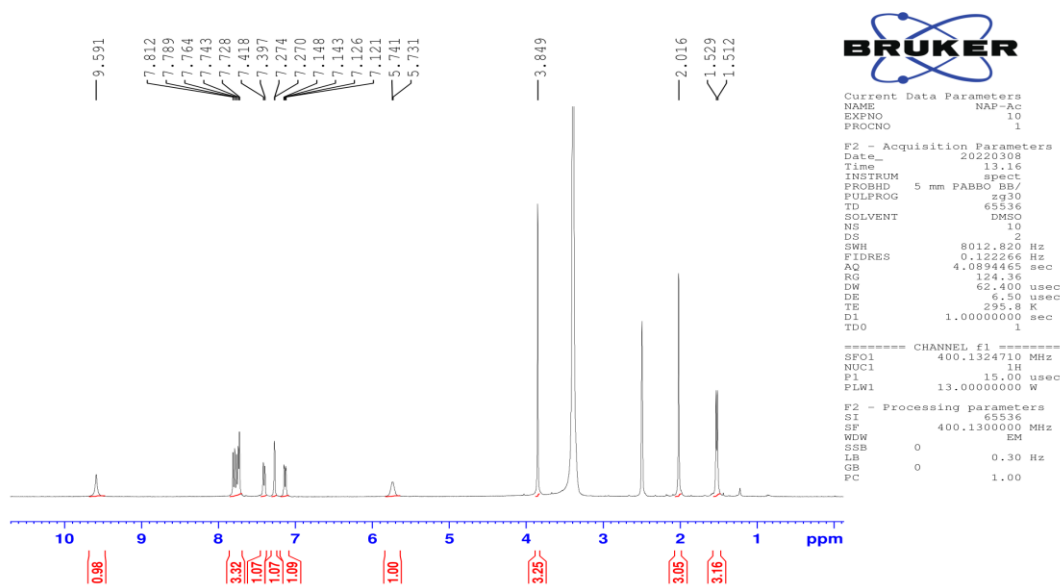


Figure S11. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound 11 (IBU-Ac).

(a)



(b)

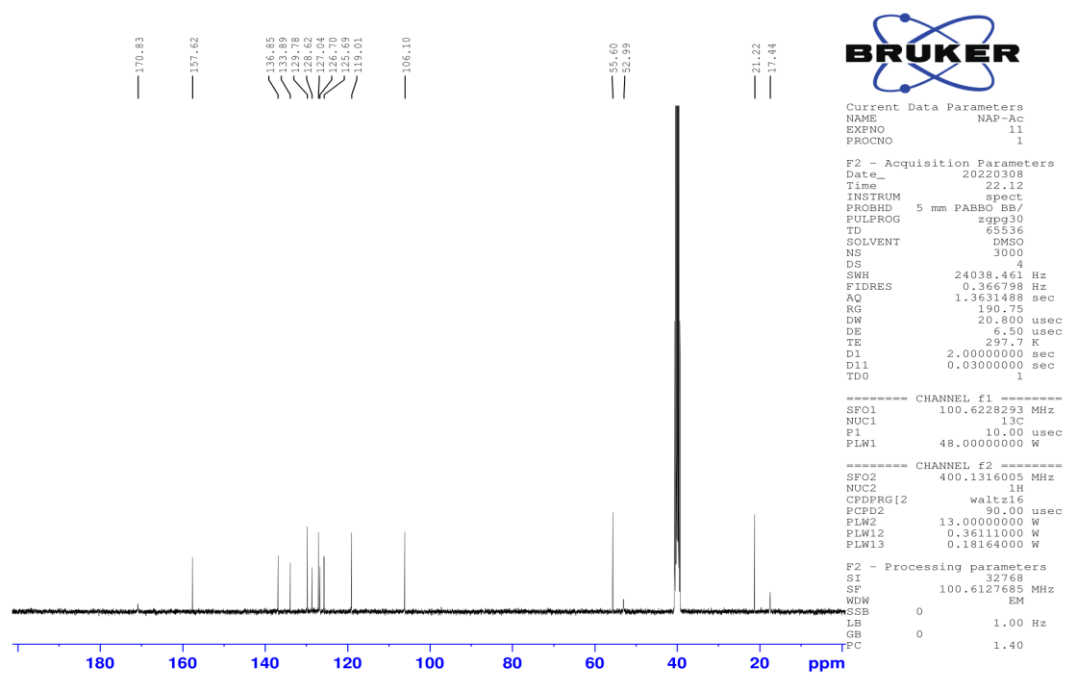
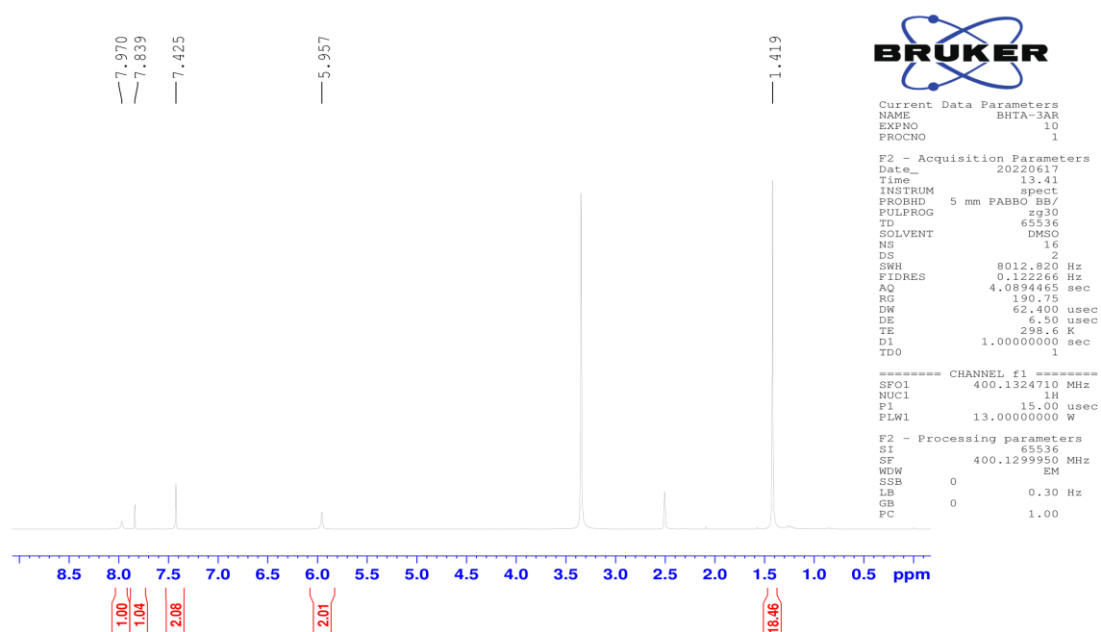


Figure S12. ¹H NMR spectrum (a) and ¹³C NMR (b) of compound 12 (NAP-Ac).

(a)



(b)

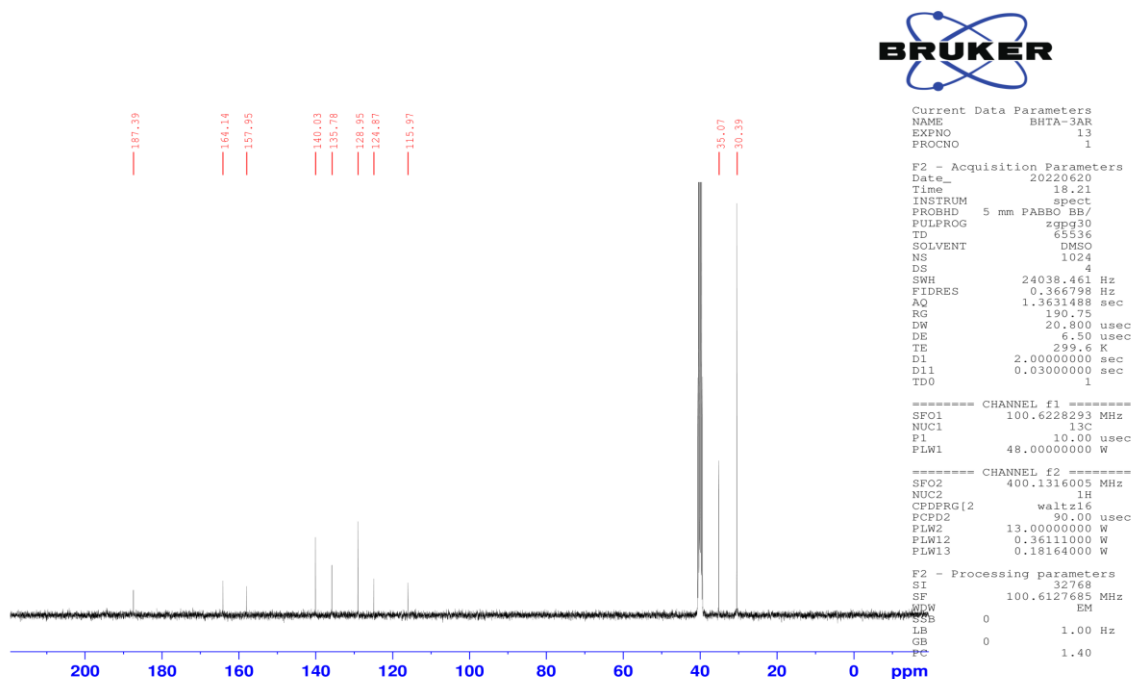


Figure S13. ^1H NMR spectrum (a) and ^{13}C NMR (b) of compound **13** (BHTA-3AR).

Tables S1–S4. Statistically significant differences (Wilcoxon test) between tested compounds.

Table S1

	2 h incubation																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	BHT	Celecoxib	Zileuton	Urea	Trolox	TBH
1	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
2	ns	/	ns	ns	ns	ns	ns	ns	ns	0.022	0.017	ns	ns	ns	ns	ns	ns	ns	ns
3	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
4	ns	ns	ns	/	ns	ns	ns	ns	ns	0.047	ns	ns	ns	ns	ns	ns	ns	ns	0.005
5	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.005
6	ns	ns	ns	ns	ns	/	ns	ns	ns	0.012	ns	ns	ns	ns	ns	ns	ns	ns	ns
7	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
8	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
9	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.017
10	ns	0.022	ns	0.047	ns	0.012	ns	ns	ns	/	ns	ns	0.007	ns	ns	ns	ns	ns	0.005
11	ns	0.017	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	0.005
12	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	0.005	ns	ns	ns	ns	ns	ns
13	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.007	ns	0.005	/	ns	ns	ns	ns	ns	0.005
BHT	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns
Celecoxib	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns
Zileuton	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns
Urea	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns
Trolox	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	0.006
TBH	ns	ns	ns	0.005	0.005	ns	ns	ns	0.017	0.005	0.005	ns	0.005	ns	ns	ns	ns	0.006	/

Table S2

	24 h incubation																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	BHT	Celecoxib	Zileuton	Urea	Trolox	TBH
1	/	ns	ns	0.005	0.012	0.005	ns	ns	ns	ns	0.007	0.005	ns	ns	ns	ns	ns	0.005	0.005
2	ns	/	ns	0.005	0.009	0.005	ns	ns	ns	ns	0.007	0.005	ns	ns	ns	ns	ns	0.047	0.005
3	ns	ns	/	0.005	ns	0.005	ns	ns	ns	ns	0.009	ns	ns	ns	ns	ns	ns	0.028	0.005
4	0.005	0.005	0.005	/	ns	ns	ns	ns	0.022	ns	0.022	ns	0.005	ns	ns	ns	ns	0.005	ns
5	0.012	0.009	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	0.007	ns	ns	ns	ns	0.005	0.007
6	0.005	0.005	0.005	ns	ns	/	ns	ns	ns	ns	0.009	ns	0.005	ns	ns	ns	ns	0.005	ns
7	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
8	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.005
9	ns	ns	ns	0.022	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.022
10	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns
11	0.007	0.007	ns	0.022	ns	0.009	ns	ns	ns	ns	/	0.022	0.007	ns	ns	ns	ns	0.005	0.012
12	0.005	0.005	0.009	ns	ns	ns	ns	ns	ns	0.022	/	0.005	ns	ns	ns	ns	ns	0.005	0.012
13	ns	ns	ns	0.005	0.007	0.005	ns	ns	ns	ns	0.007	0.005	/	ns	ns	ns	ns	ns	0.005
BHT	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns
Celecoxib	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns
Zileuton	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns
Urea	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns
Trolox	0.005	0.047	0.028	0.005	0.005	0.005	ns	ns	ns	ns	0.005	0.005	ns	ns	ns	ns	ns	/	0.000
TBH	0.005	0.005	0.005	ns	0.007	ns	ns	0.005	0.022	ns	0.012	0.012	0.005	ns	ns	ns	ns	0.000	/

Table S3

	2 h incubation, TBH added																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	BHT	Celecoxib	Zileuton	Urea	Trolox	TBH
1	/	0.012	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.022	ns	ns	ns	ns	ns	0.009	ns
2	0.012	/	ns	ns	ns	ns	ns	0.007	0.028	0.012	ns	ns	0.022	ns	ns	ns	ns	ns	0.050
3	ns	ns	ns	ns	ns	ns	ns	0.028	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.028	ns
4	ns	ns	ns	/	0.007	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.005	ns
5	ns	ns	ns	0.007	/	ns	ns	0.047	ns	0.037	ns	ns	ns	ns	ns	ns	ns	ns	ns
6	ns	ns	ns	ns	ns	/	ns	ns	ns	0.047	ns	ns	ns	ns	ns	ns	ns	ns	ns
7	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
8	ns	0.007	0.028	ns	0.047	ns	ns	/	ns	ns	0.017	0.007	0.028	ns	ns	ns	ns	0.022	ns
9	ns	0.028	ns	ns	ns	ns	ns	/	ns	ns	0.047	ns	ns	ns	ns	ns	ns	0.037	ns
10	ns	0.012	ns	ns	0.037	0.047	ns	ns	ns	/	ns	0.007	ns	ns	ns	ns	ns	0.028	ns
11	ns	ns	ns	ns	ns	ns	ns	0.017	ns	ns	/	ns	ns	ns	ns	ns	ns	0.037	ns
12	0.022	ns	ns	ns	ns	ns	ns	0.007	0.047	0.007	ns	/	0.009	ns	ns	ns	ns	ns	0.028
13	ns	0.022	ns	ns	ns	ns	ns	0.028	ns	ns	ns	0.009	/	ns	ns	ns	ns	ns	ns
BHT	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns
Celecoxib	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns
Zileuton	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns
Urea	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns
Trolox	0.009	ns	0.028	0.005	ns	ns	ns	0.022	0.037	0.028	0.037	ns	ns	ns	ns	ns	ns	/	0.006
TBH	ns	0.050	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.028	ns	ns	ns	ns	ns	0.006	/

Table S4

	24 h incubation, TBH added																		
	1	2	3	4	5	6	7	8	9	10	11	12	13	BHT	Celecoxib	Zileuton	Urea	Trolox	TBH
1	/	ns	ns	ns	ns	ns	ns	0.005	ns	ns	0.005	ns	ns	ns	ns	ns	ns	0.005	ns
2	ns	/	0.022	ns	ns	ns	ns	0.007	ns	ns	0.012	ns	ns	ns	ns	ns	ns	0.005	ns
3	ns	0.022	/	0.005	0.017	0.022	ns	ns	ns	ns	ns	0.037	ns	ns	ns	ns	ns	0.005	0.037
4	ns	ns	0.005	/	0.047	ns	ns	0.007	ns	ns	0.005	ns	0.028	ns	ns	ns	ns	0.005	ns
5	ns	ns	0.017	0.047	/	ns	ns	0.005	ns	ns	0.005	ns	ns	ns	ns	ns	ns	0.005	ns
6	ns	ns	0.022	ns	ns	/	ns	0.005	ns	ns	0.005	ns	0.028	ns	ns	ns	ns	0.005	ns
7	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
8	0.005	0.007	ns	0.007	0.005	0.005	ns	/	ns	0.028	0.009	0.007	0.005	ns	ns	ns	ns	ns	0.012
9	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns	0.022
10	ns	ns	ns	ns	ns	ns	ns	0.028	ns	/	ns	ns	ns	ns	ns	ns	ns	ns	ns
11	0.005	0.012	ns	0.005	0.005	0.005	ns	0.009	ns	ns	/	0.007	ns	ns	ns	ns	ns	0.005	0.028
12	ns	ns	0.037	ns	ns	ns	ns	0.007	ns	ns	0.007	/	ns	ns	ns	ns	ns	0.005	ns
13	ns	ns	ns	0.028	ns	0.028	ns	0.005	ns	ns	ns	ns	/	ns	ns	ns	ns	0.005	0.047
BHT	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns	ns
Celecoxib	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns	ns
Zileuton	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns	ns
Urea	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	/	ns	ns
Trolox	0.005	0.005	0.005	0.005	0.005	0.005	ns	ns	ns	ns	0.005	0.005	0.005	ns	ns	ns	ns	/	0.000
TBH	ns	ns	0.037	ns	ns	ns	ns	0.012	0.022	ns	0.028	ns	0.047	ns	ns	ns	ns	0.000	/