

**Synthesis of diarylmethyl thioethers via DABCO catalyzed 1,6-conjugate addition
reaction of *p*-Quinone Methides with Organosulfur Reagents**

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Yong-Long Zhao^{*a}

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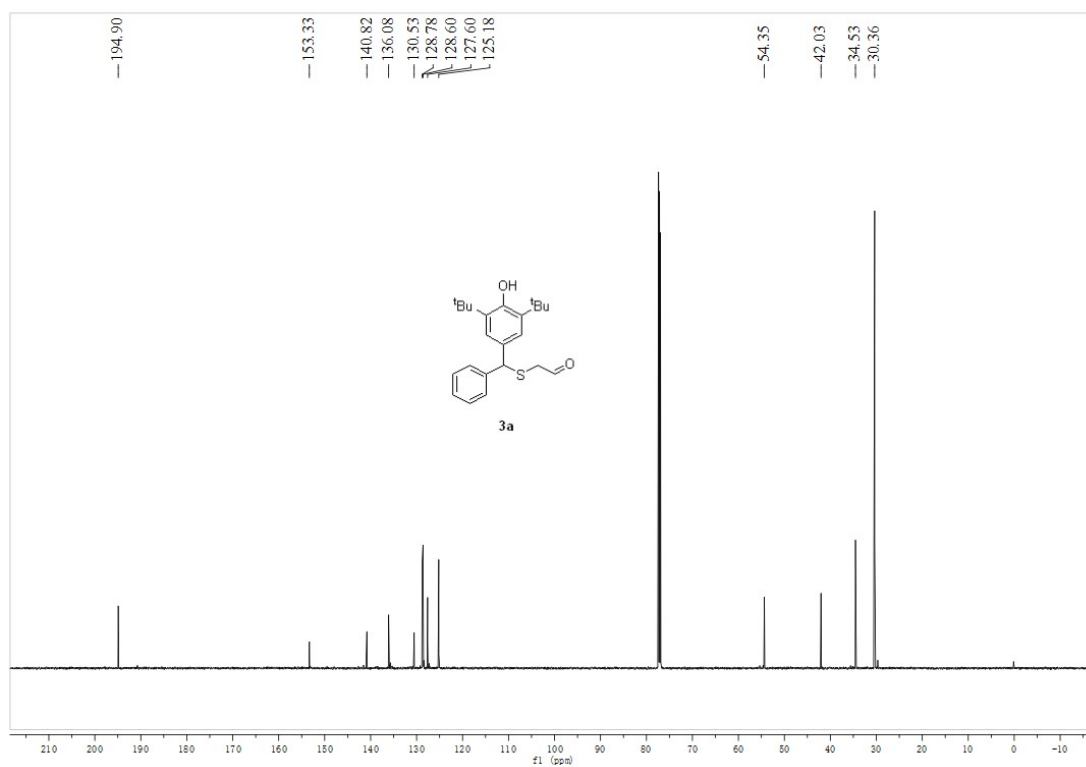
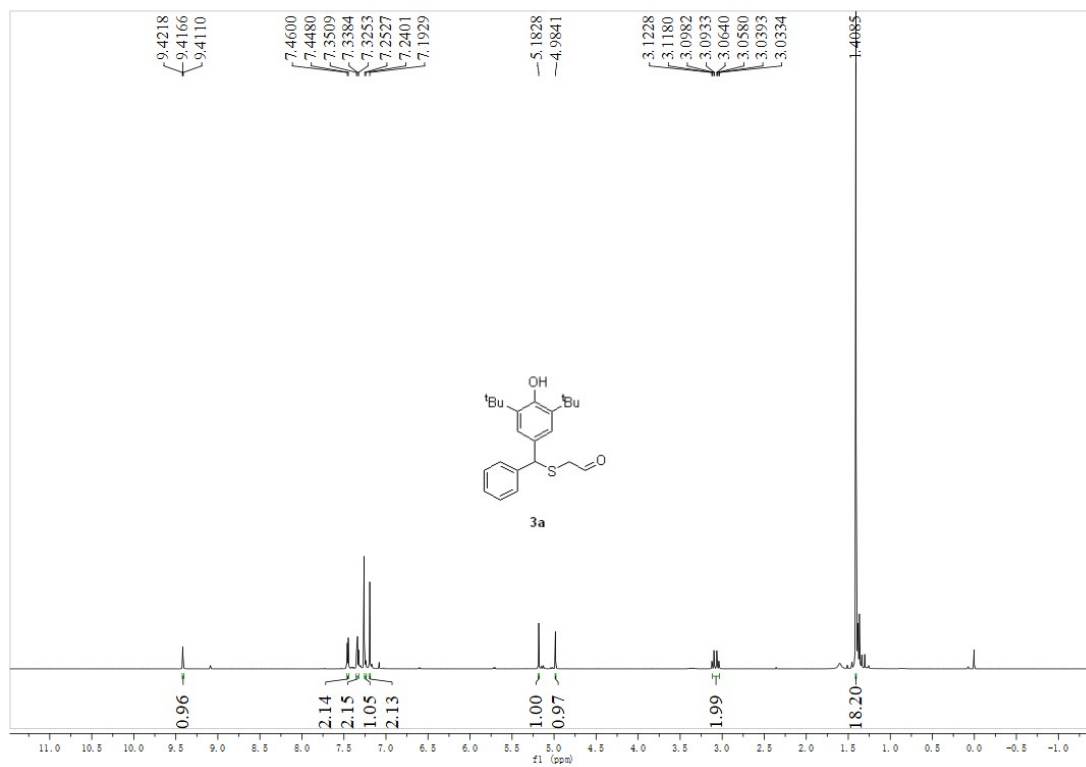
The minimum inhibitory concentration of diarylmethyl thioethers

Table S1. MIC ($\mu\text{g/mL}$) of the synthesized diarylmethyl thioethers.

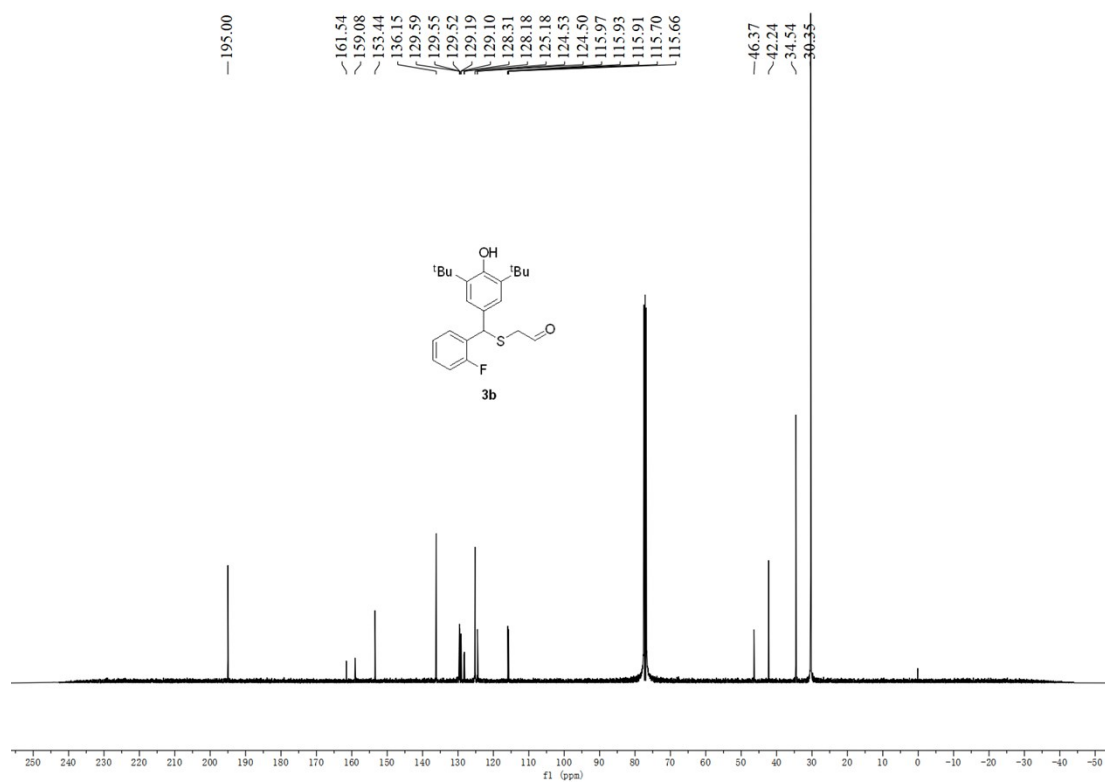
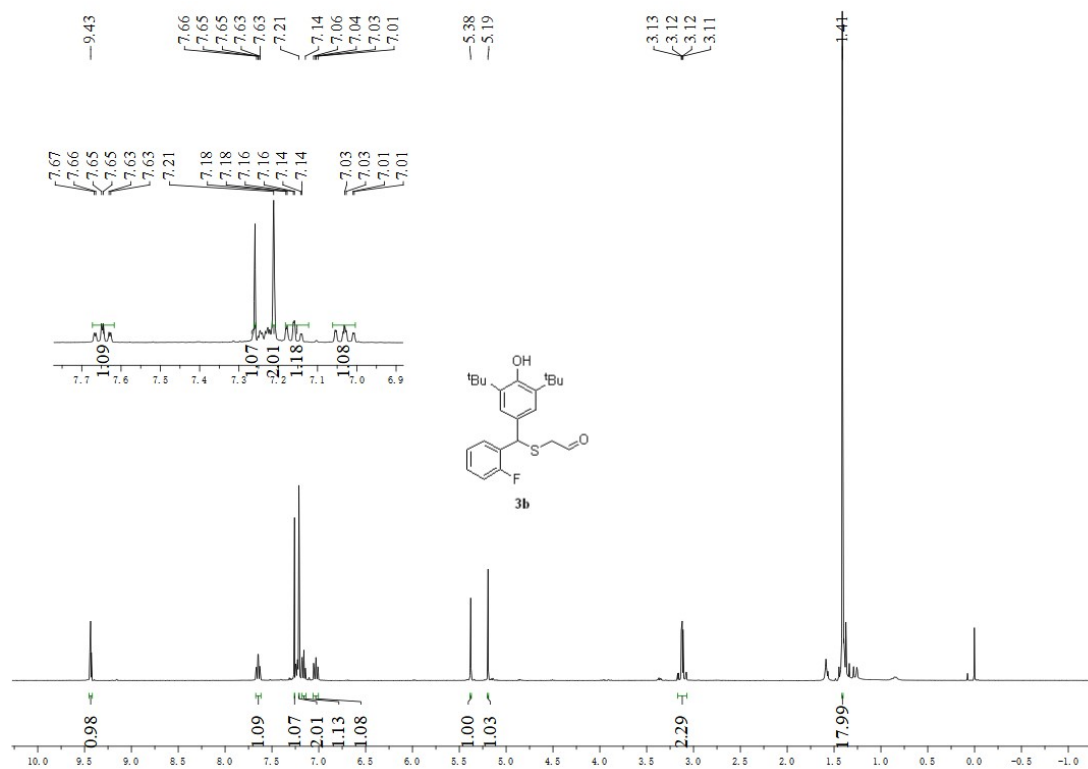
Compounds	Gram-positive bacteria		Gram-negative bacteria		Fungi	
	<i>S. a.</i> ATCC 25923	MRSA	<i>E. c.</i> ATCC 25922	<i>P. a.</i> ATCC 9027	<i>C. a.</i> BNCC 259769	<i>C. a.</i> BNCC 333935
3a	16	64	>200	>200	>200	>200
3b	128	64	>200	>200	>200	>200
3c	128	>200	>200	>200	>200	>200
3d	>200	>200	>200	>200	>200	>200
3e	>200	>200	>200	>200	>200	>200
3f	>200	>200	>200	>200	>200	>200
3g	32	64	>200	>200	>200	>200
3h	128	>200	>200	>200	>200	>200
3i	32	128	>200	>200	>200	>200
3j	64	>200	>200	>200	>200	>200
3k	>200	>200	>200	>200	>200	>200
3l	>200	>200	>200	>200	>200	>200
3m	32	64	>200	>200	>200	>200
3n	32	64	>200	>200	>200	>200
3o	>200	>200	>200	>200	>200	>200
3p	128	64	>200	>200	>200	>200
3q	128	128	>200	>200	>200	>200
3r	128	>200	>200	>200	>200	>200
3s	32	128	>200	>200	>200	>200
3t	128	>200	>200	>200	>200	>200
5a	32	128	>200	>200	>200	>200
5b	>200	>200	>200	>200	>200	>200
6	8	>200	>200	>200	>200	>200
Methicillin sodium salt	--	16	--	--	--	--
Levofloxacin	<0.5	<4	<0.5	64	--	--
Fluconazole	--	--	--	--	1	1

^a *S. a.* ATCC 25923, *Staphylococcus aureus* ATCC 25923; MRSA, Methicillin-resistant *Staphylococcus aureus*; *E. c.*, *Escherichia coli* ATCC 25922; *P. a.*, *Pseudomonas aeruginosa* ATCC 9027; *C. a.* BNCC 259769, *Candida albicans* BNCC 259769; *C. a.* BNCC 333935, *Candida albicans* BNCC 333935.

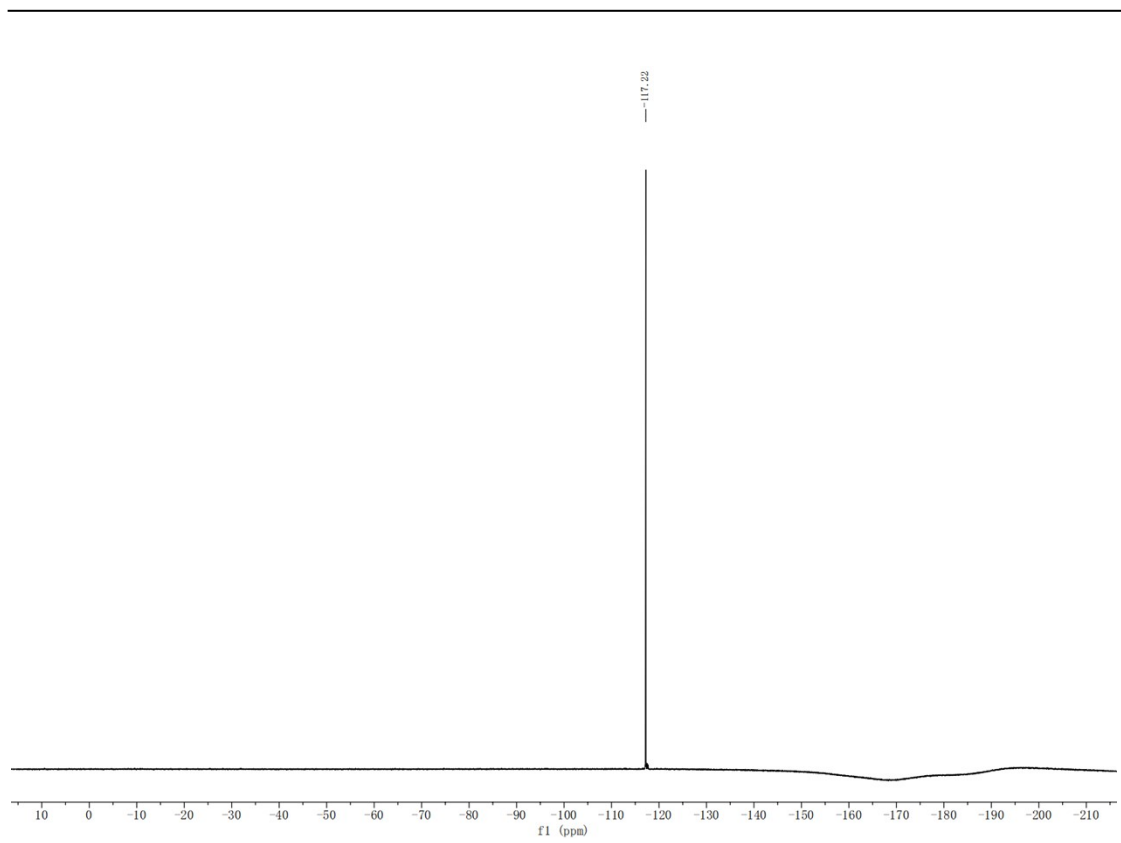
^1H and ^{13}C NMR spectra of compound **3a**



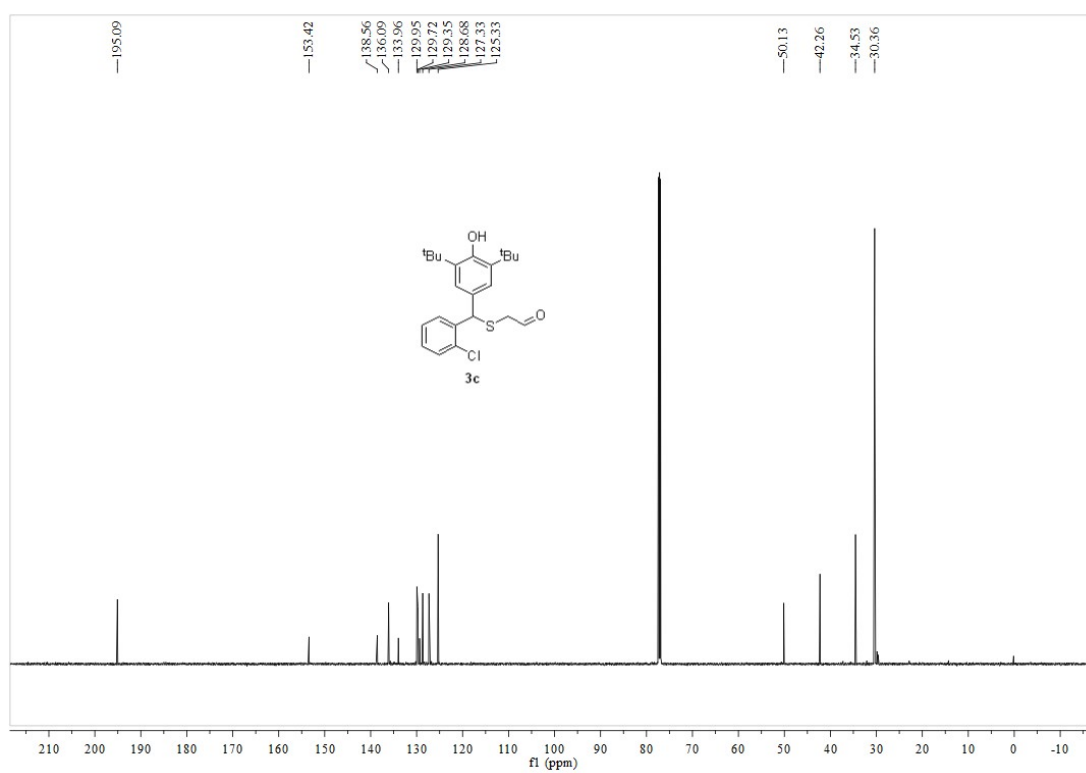
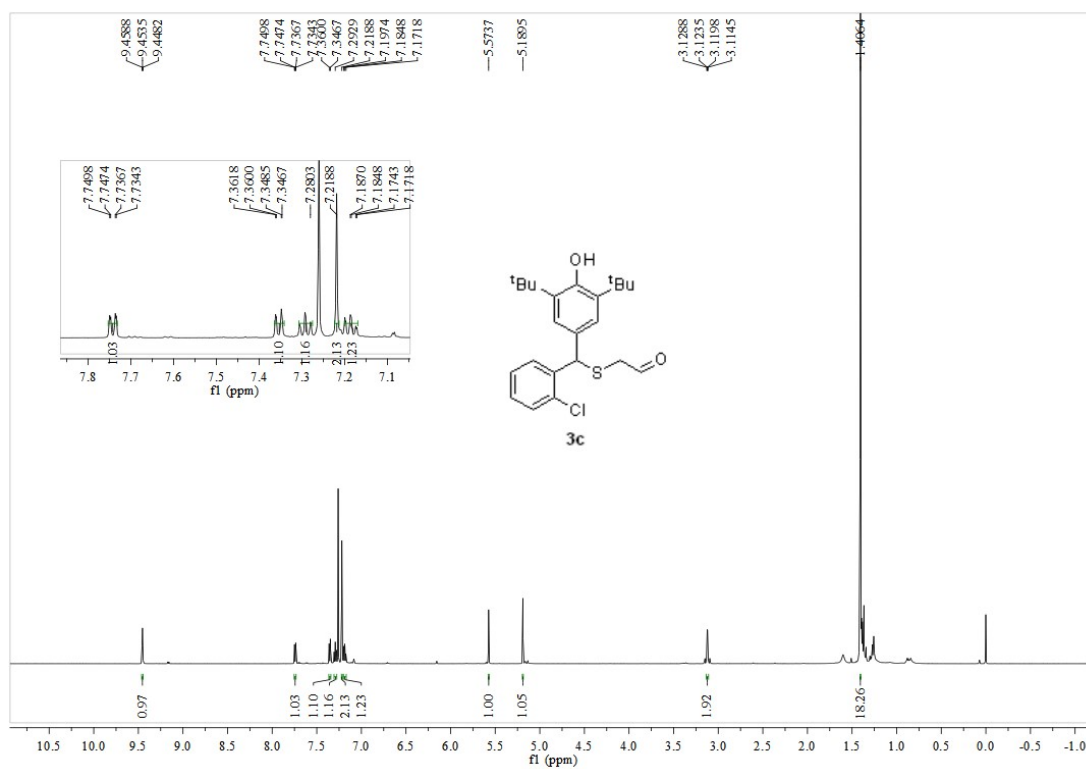
^1H , ^{13}C NMR and ^{19}F NMR spectra of compound **3b**



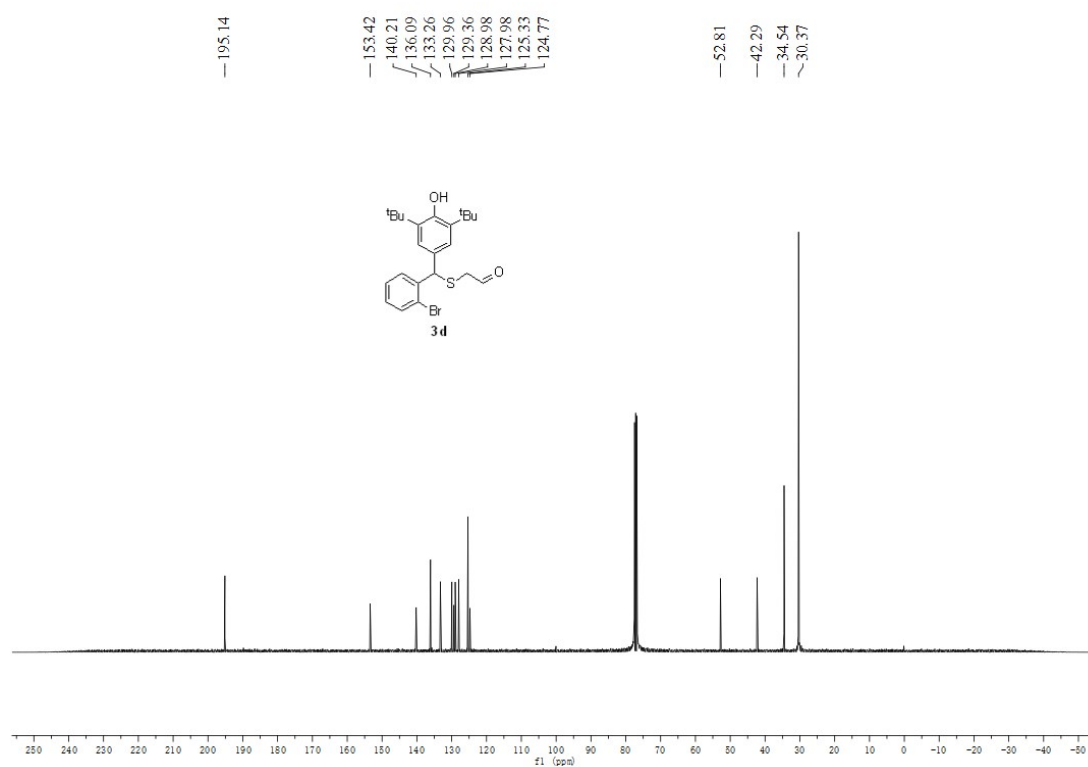
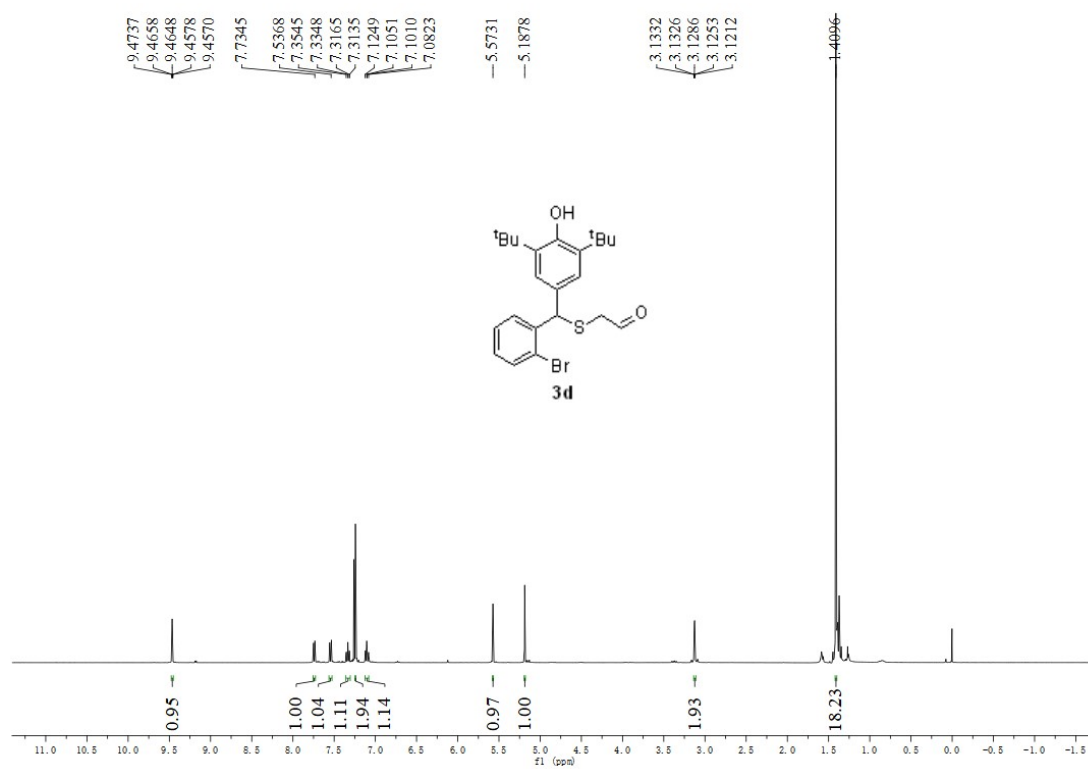




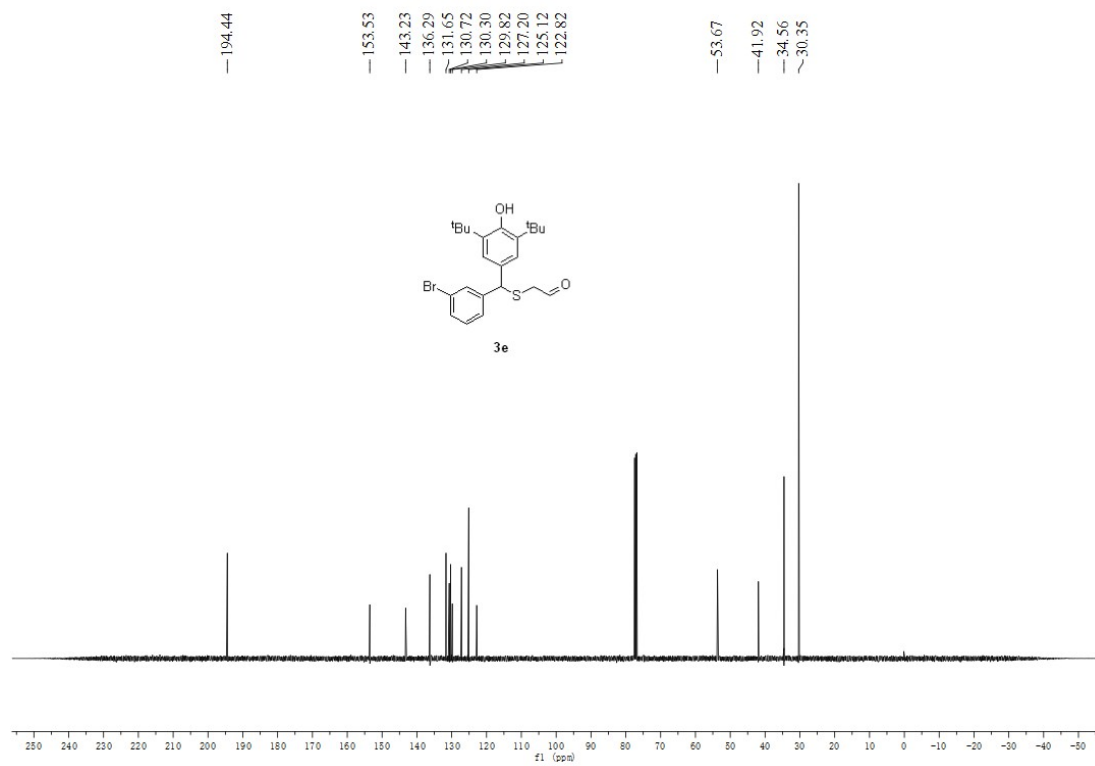
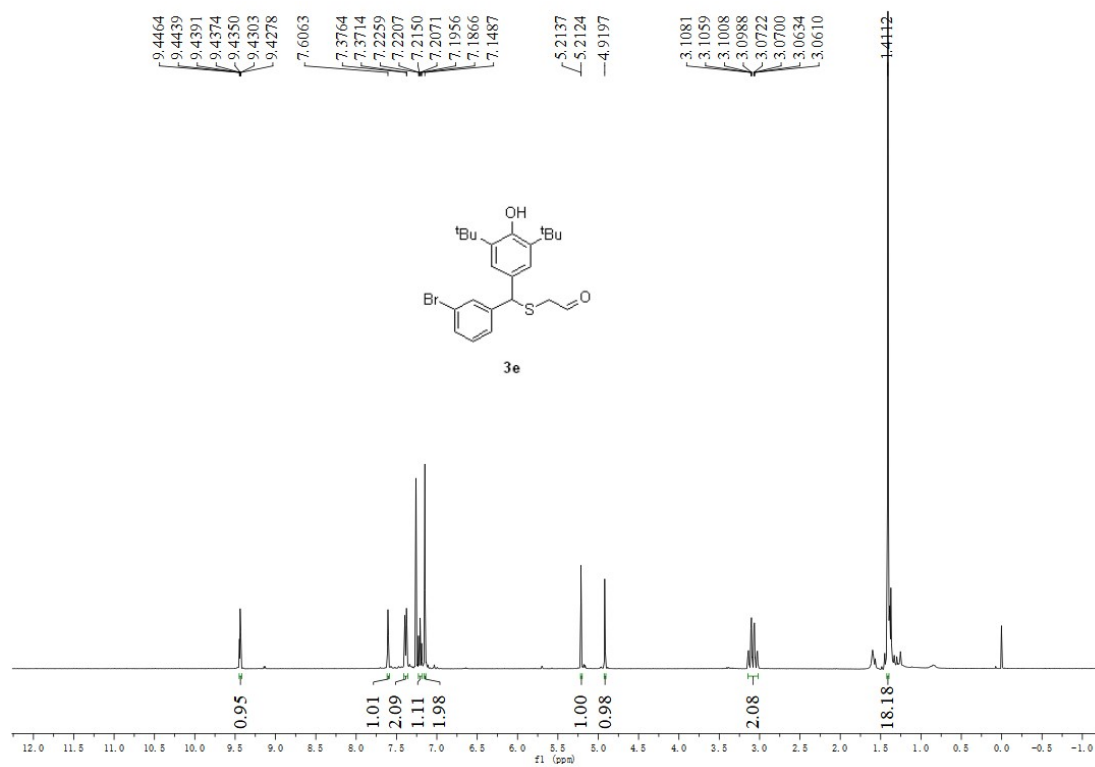
^1H and ^{13}C NMR spectra of compound **3c**



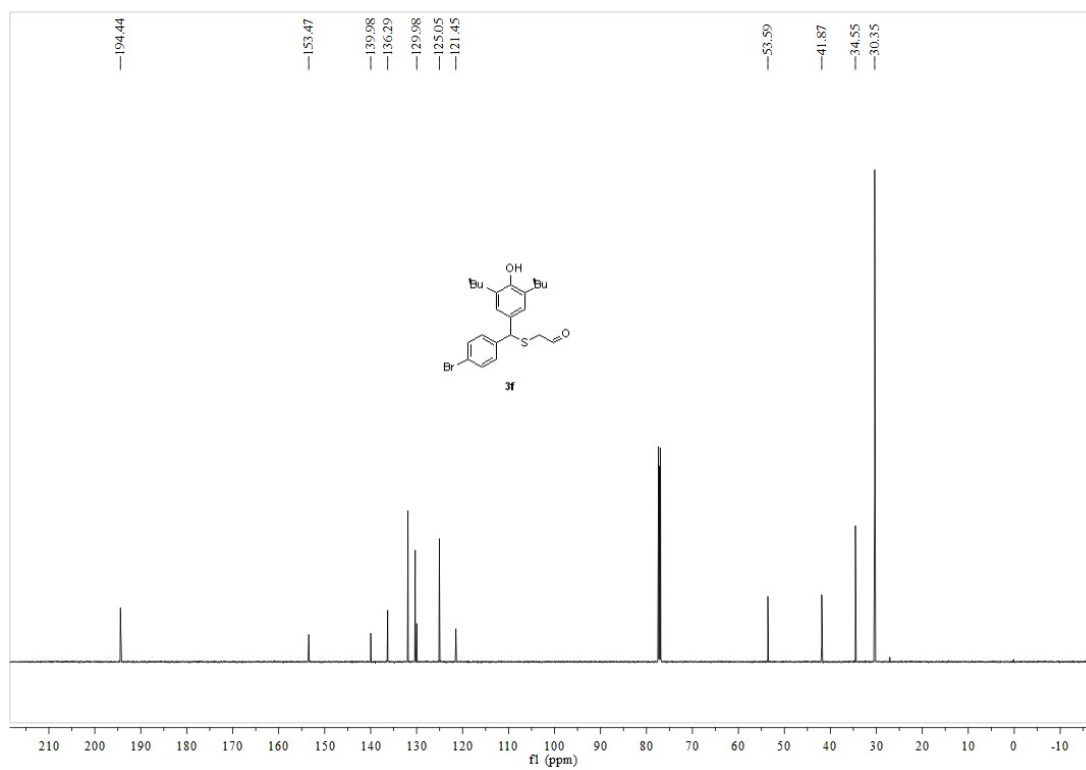
^1H and ^{13}C NMR spectra of compound **3d**



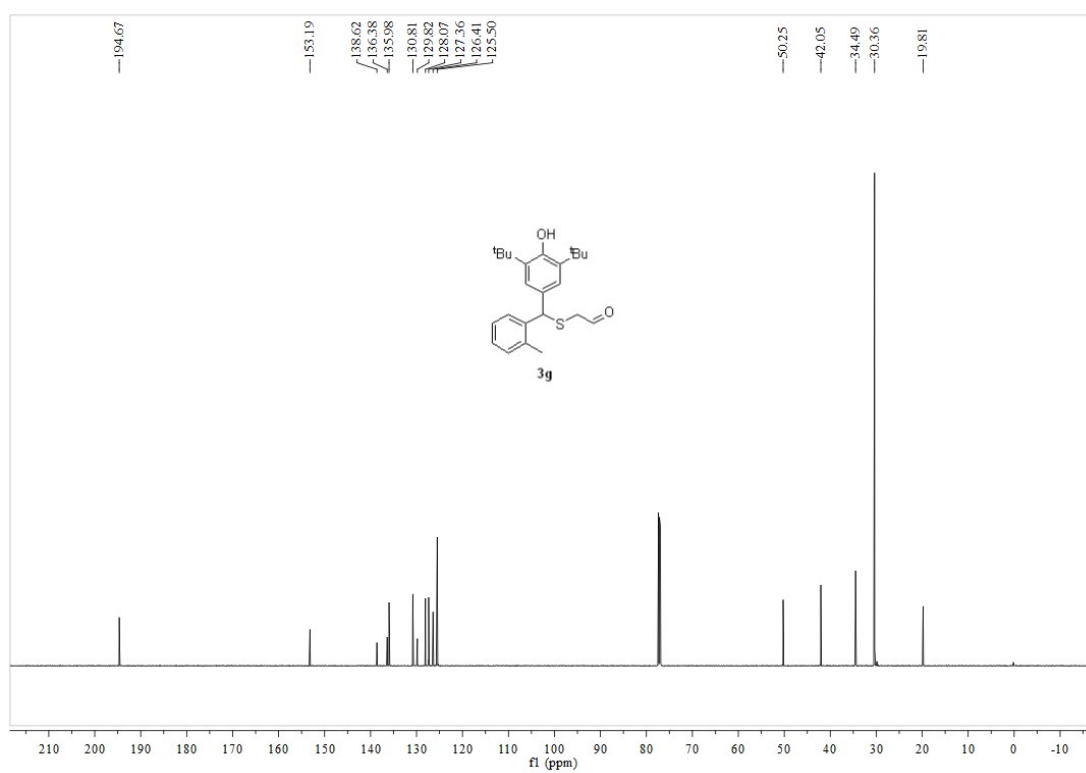
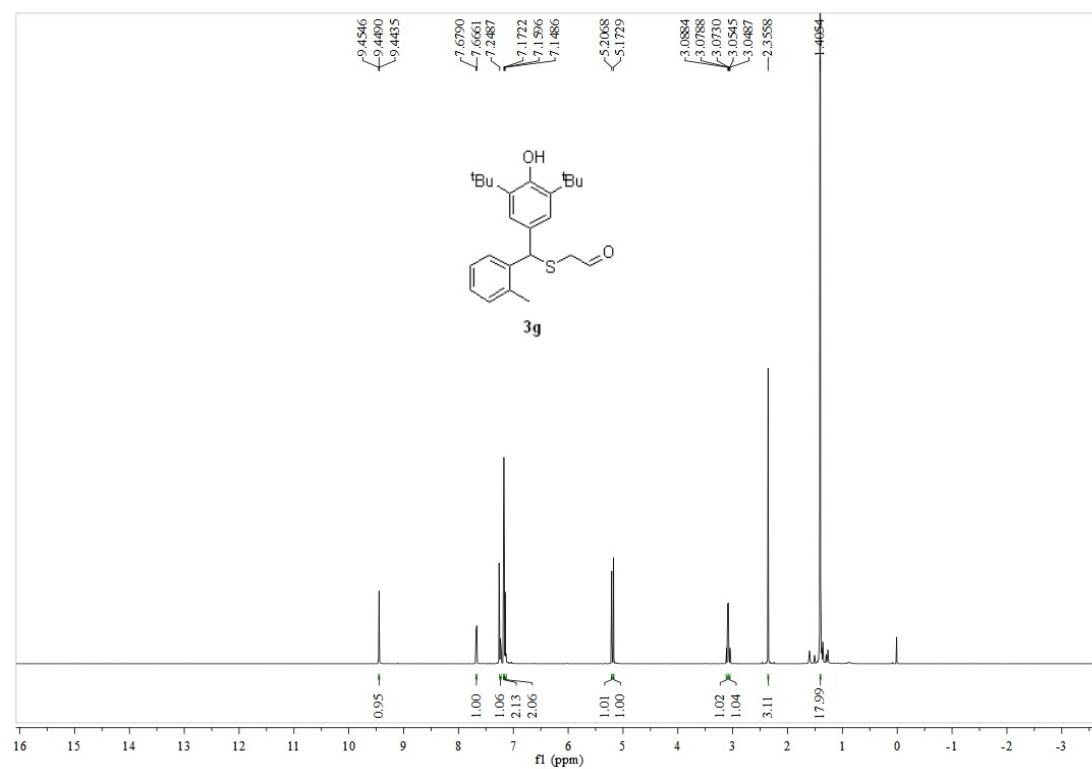
^1H and ^{13}C NMR spectra of compound **3e**



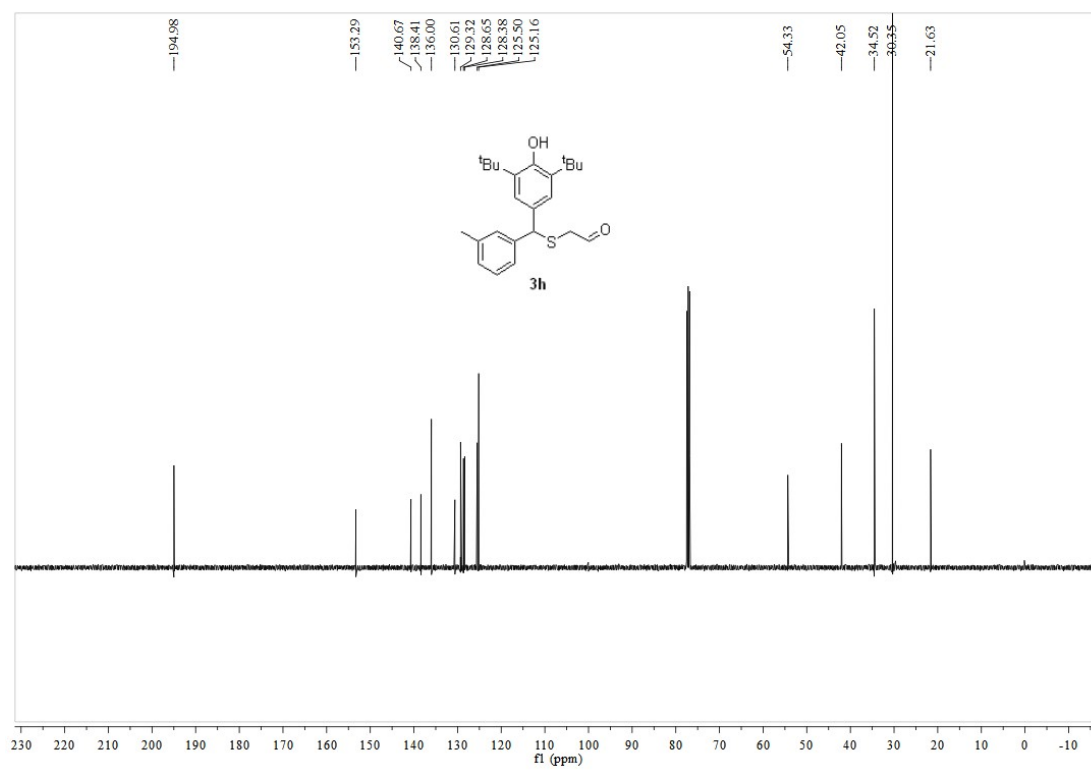
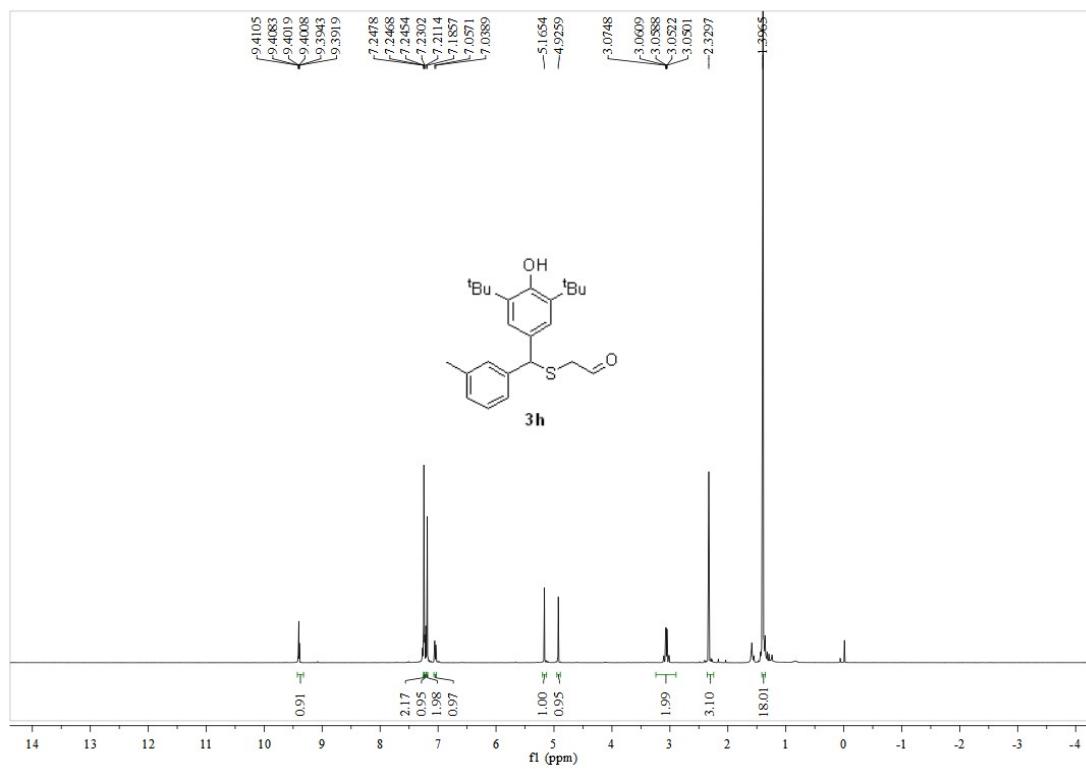
^1H and ^{13}C NMR spectra of compound **3f**



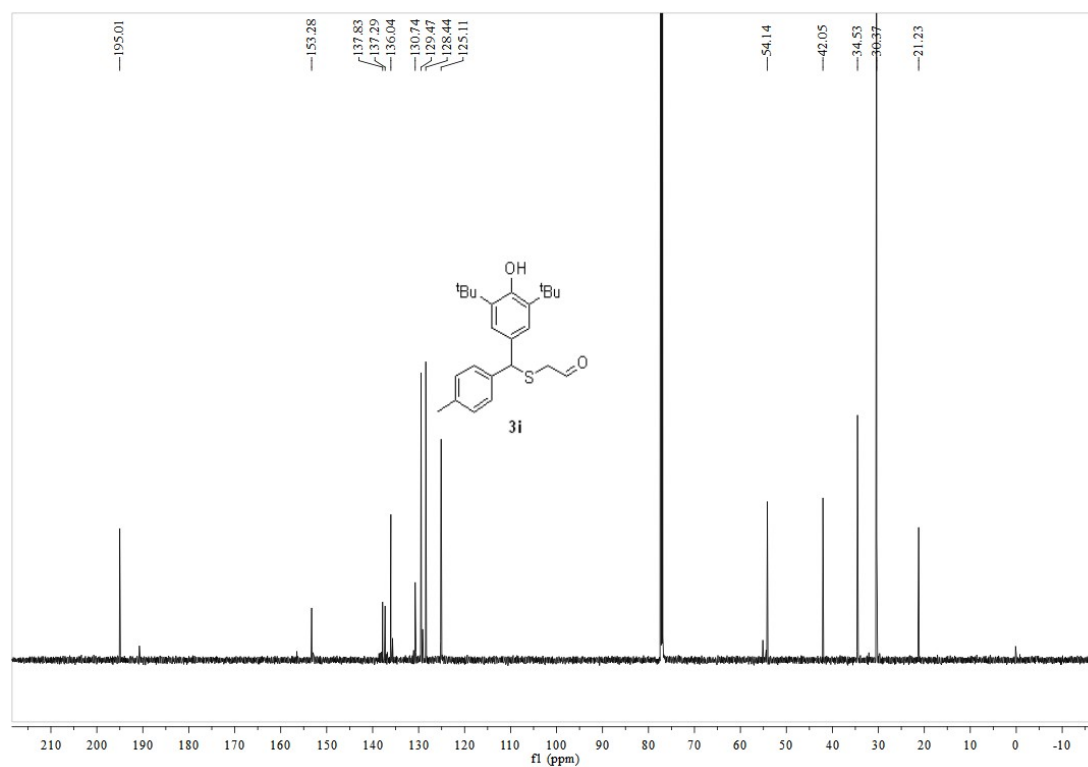
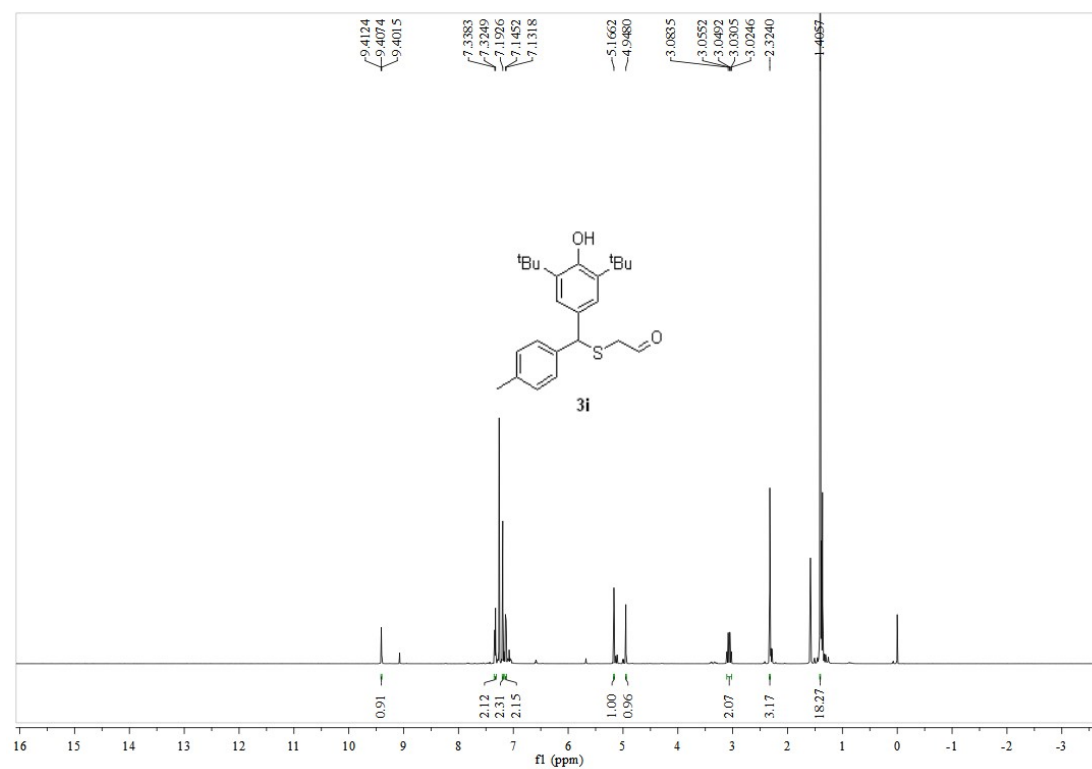
^1H and ^{13}C NMR spectra of compound **3g**



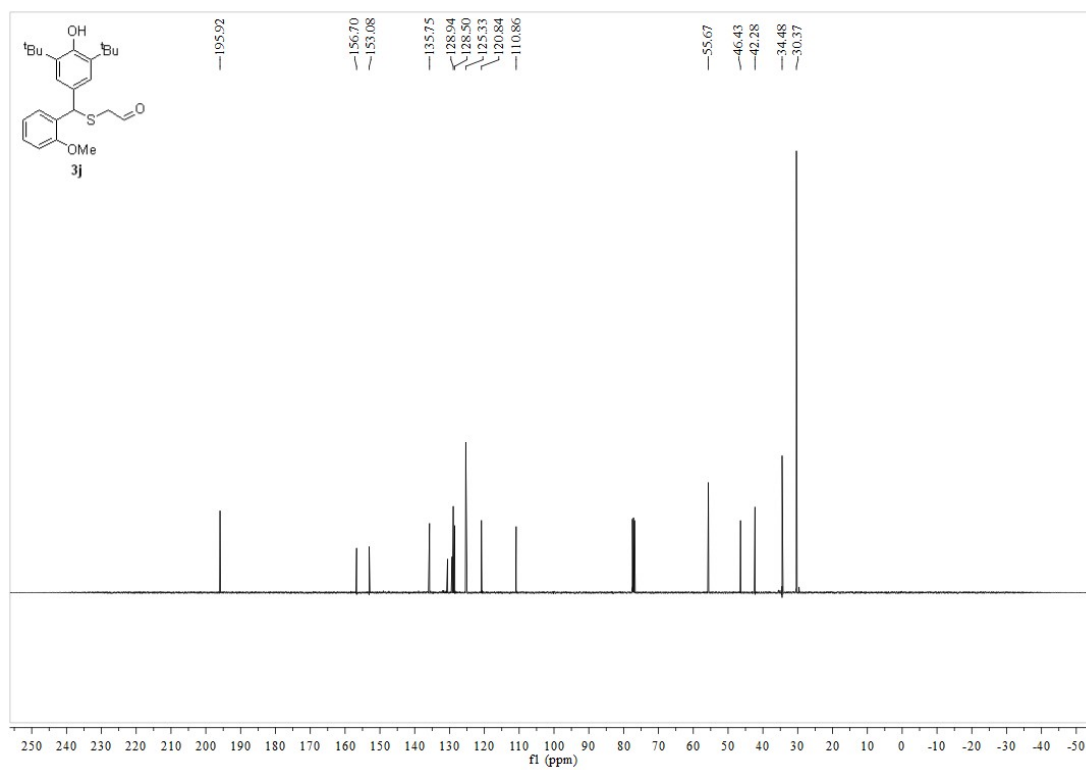
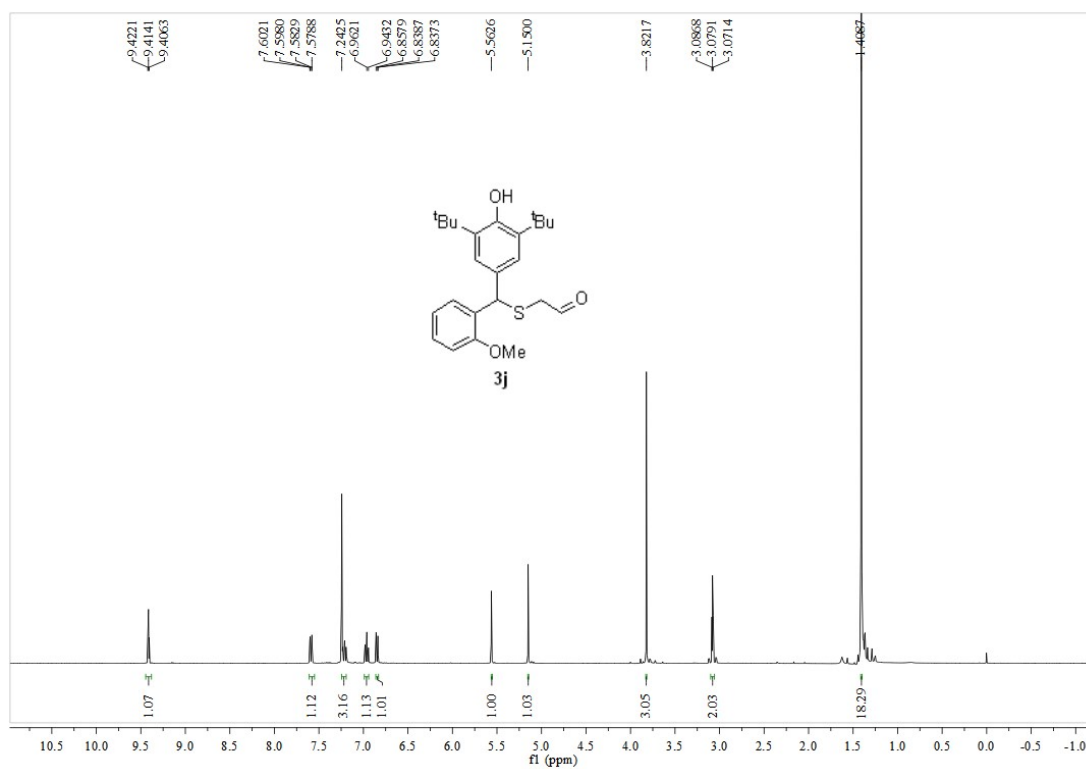
^1H and ^{13}C NMR spectra of compound **3h**



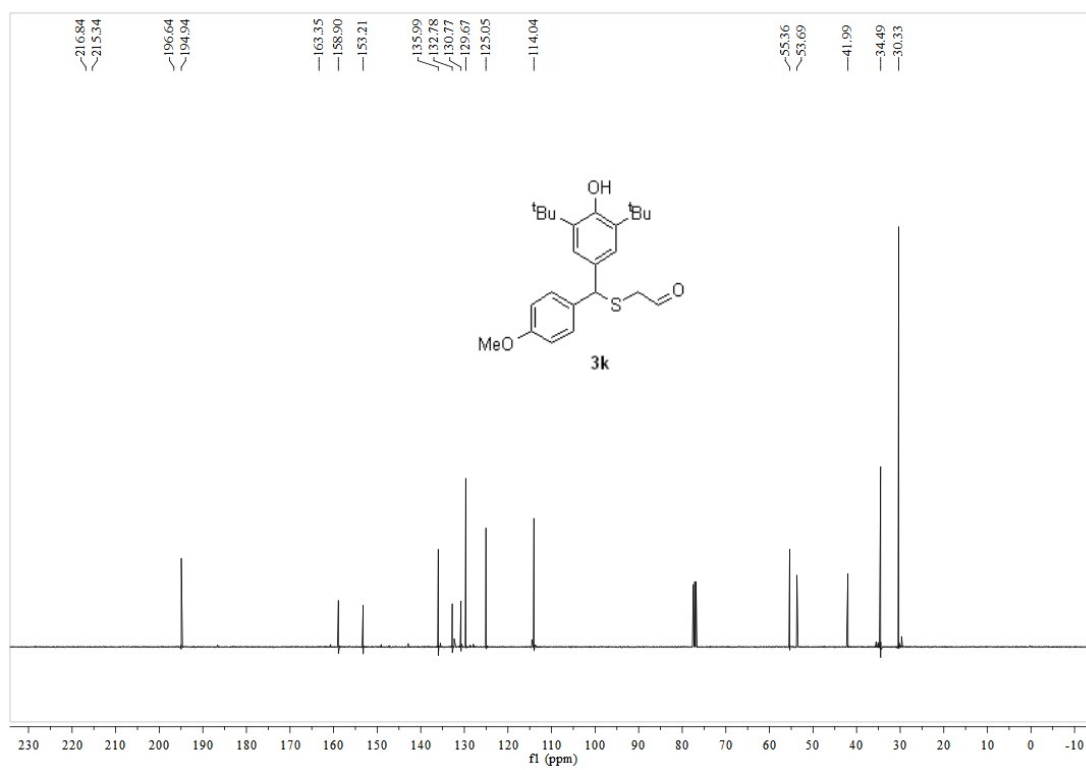
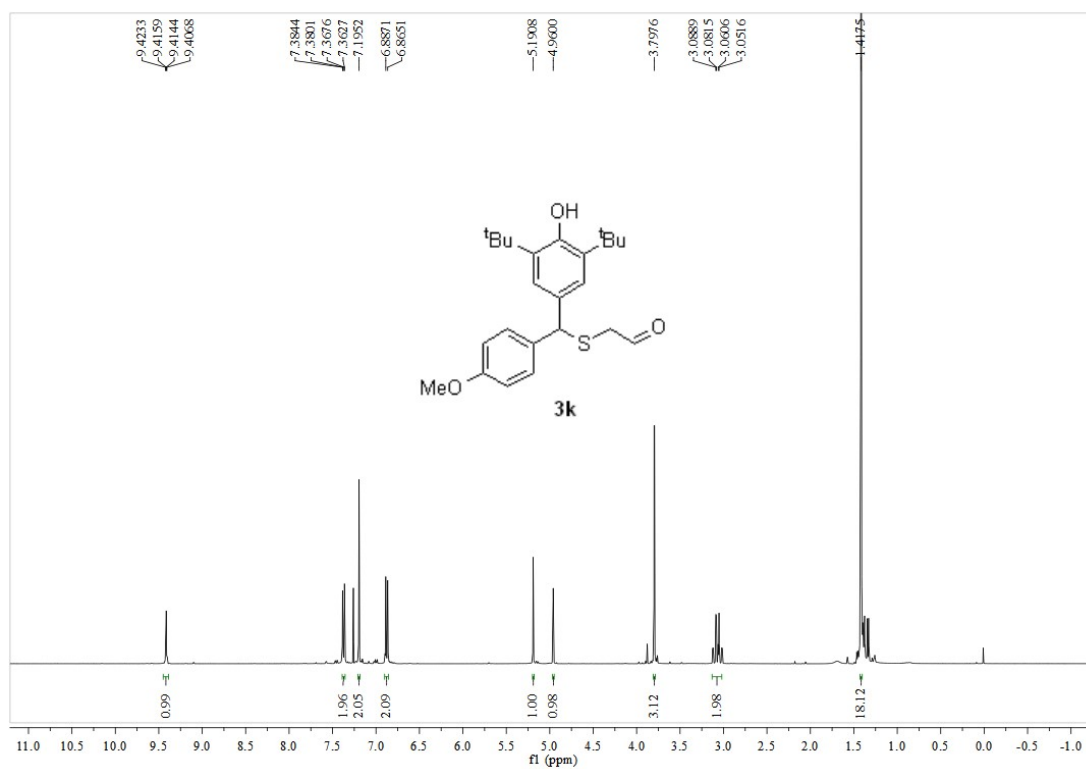
^1H and ^{13}C NMR spectra of compound **3i**



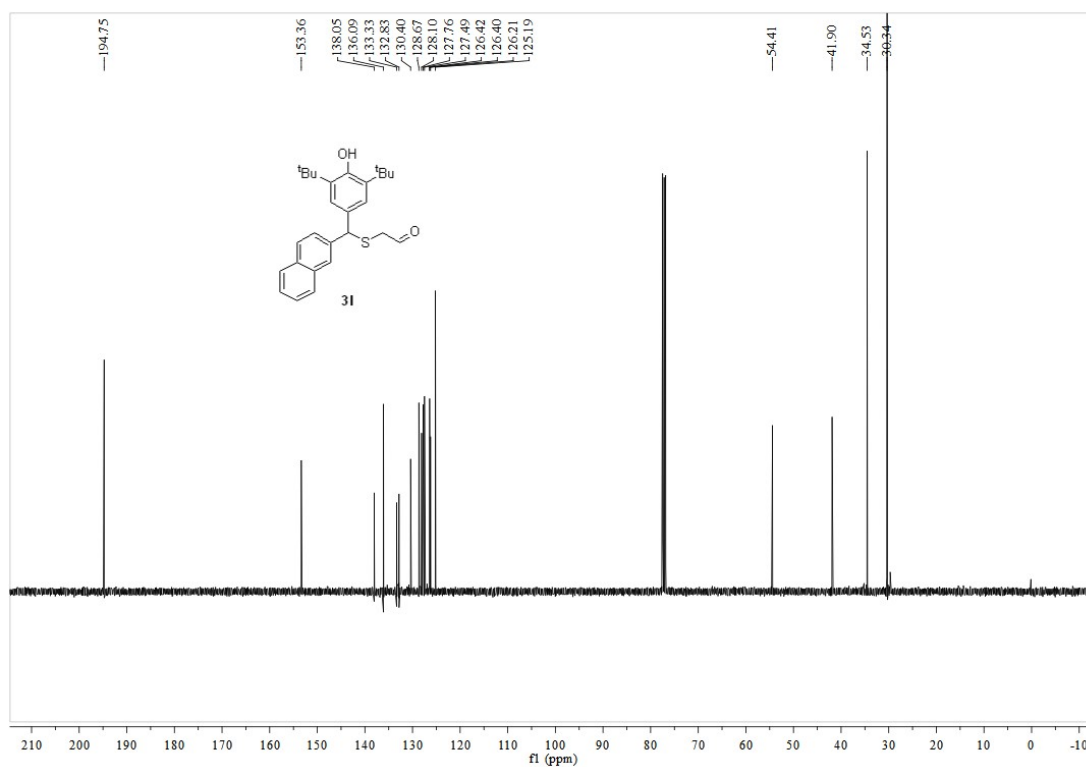
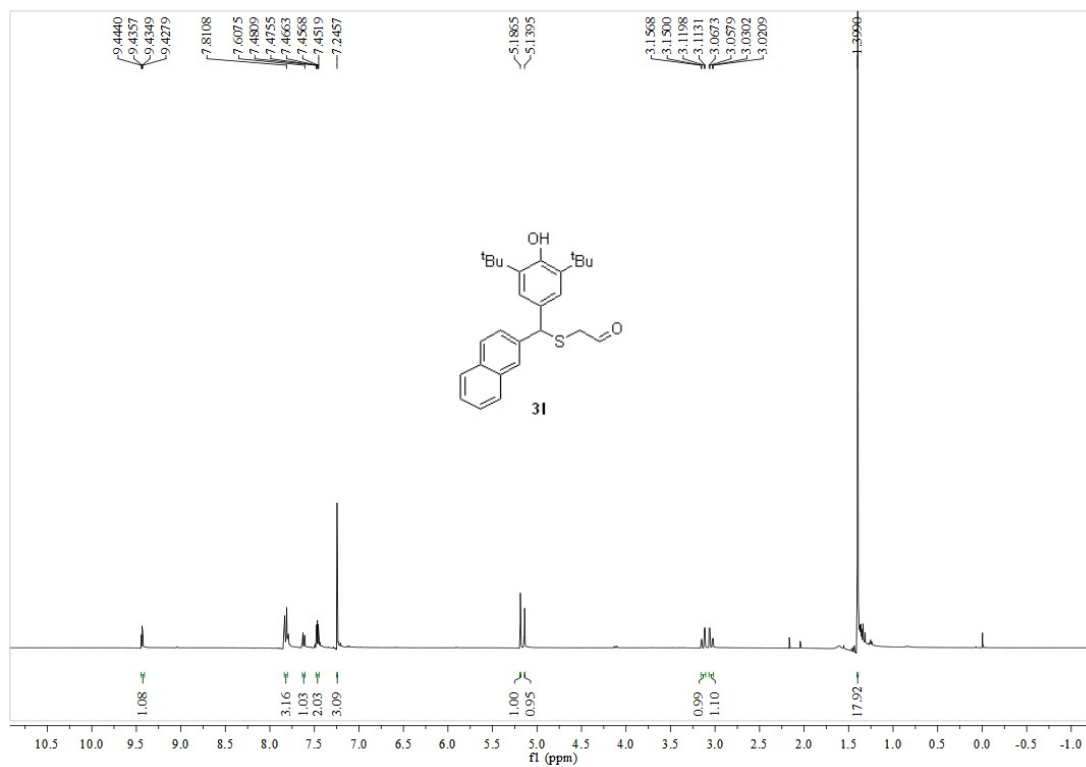
^1H and ^{13}C NMR spectra of compound **3j**



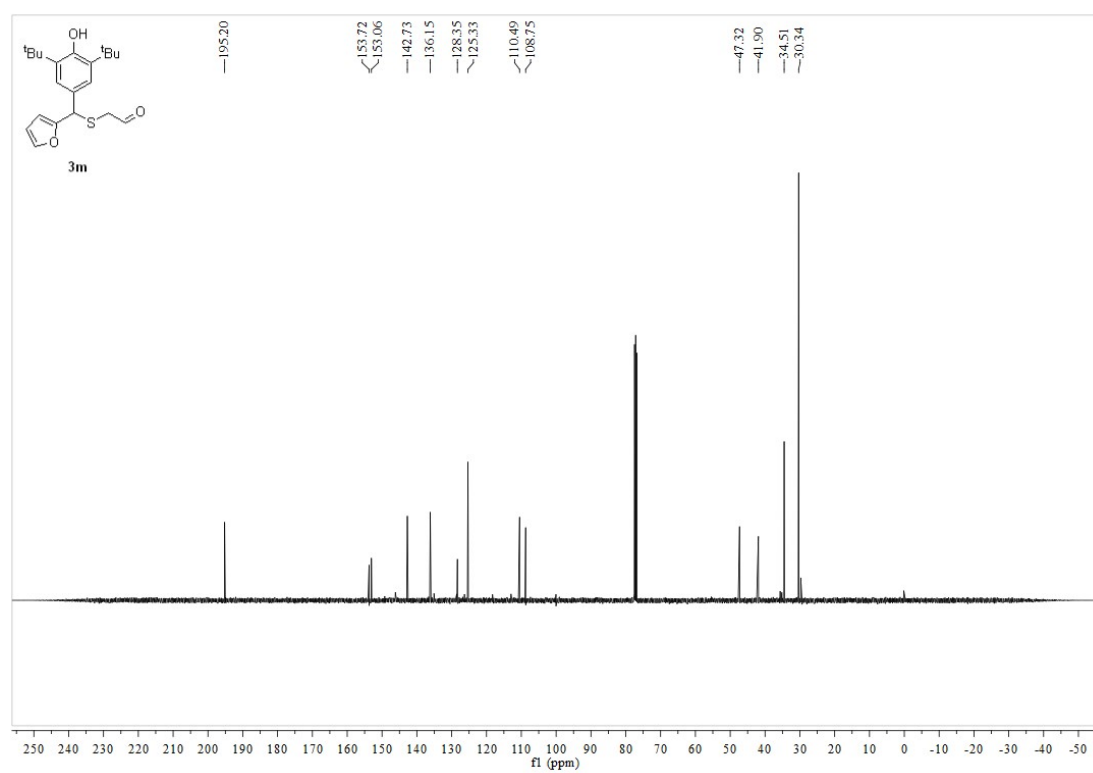
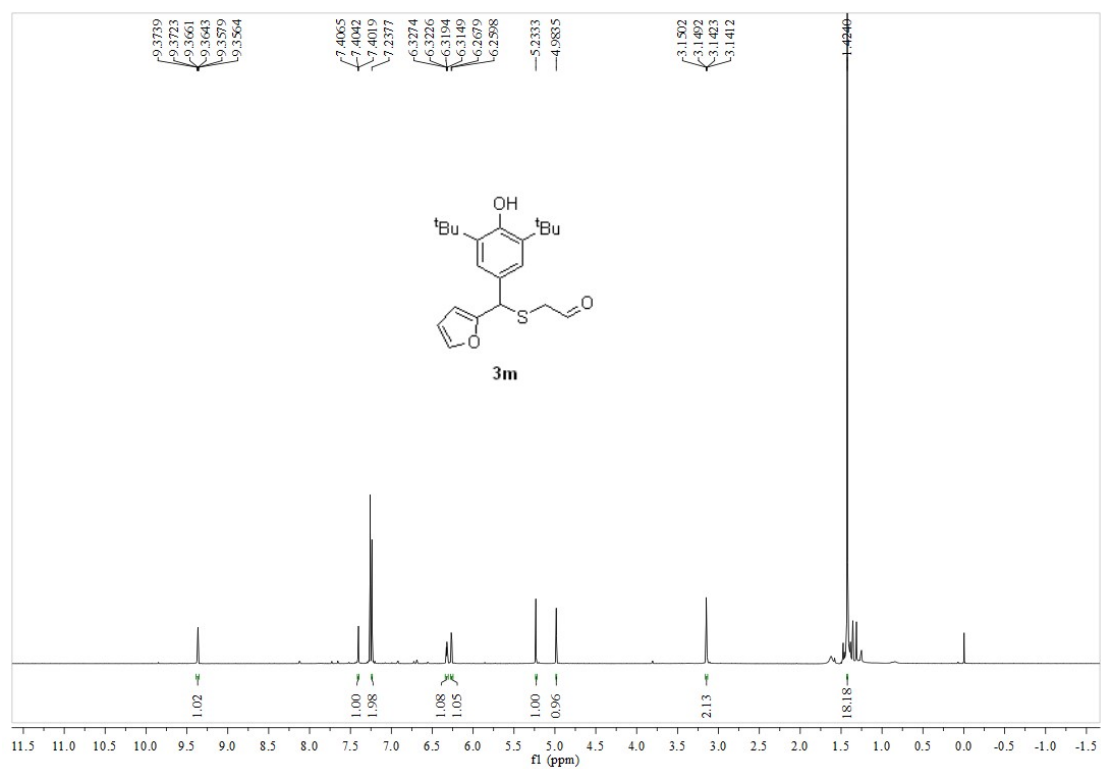
^1H and ^{13}C NMR spectra of compound **3k**



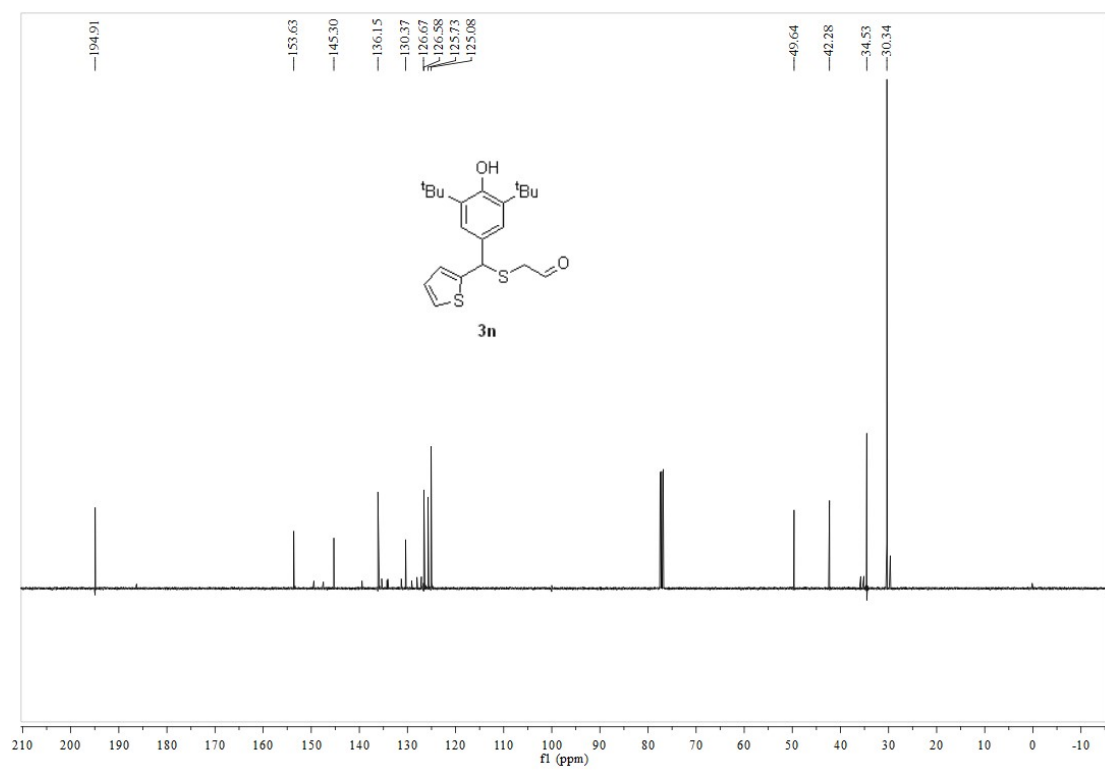
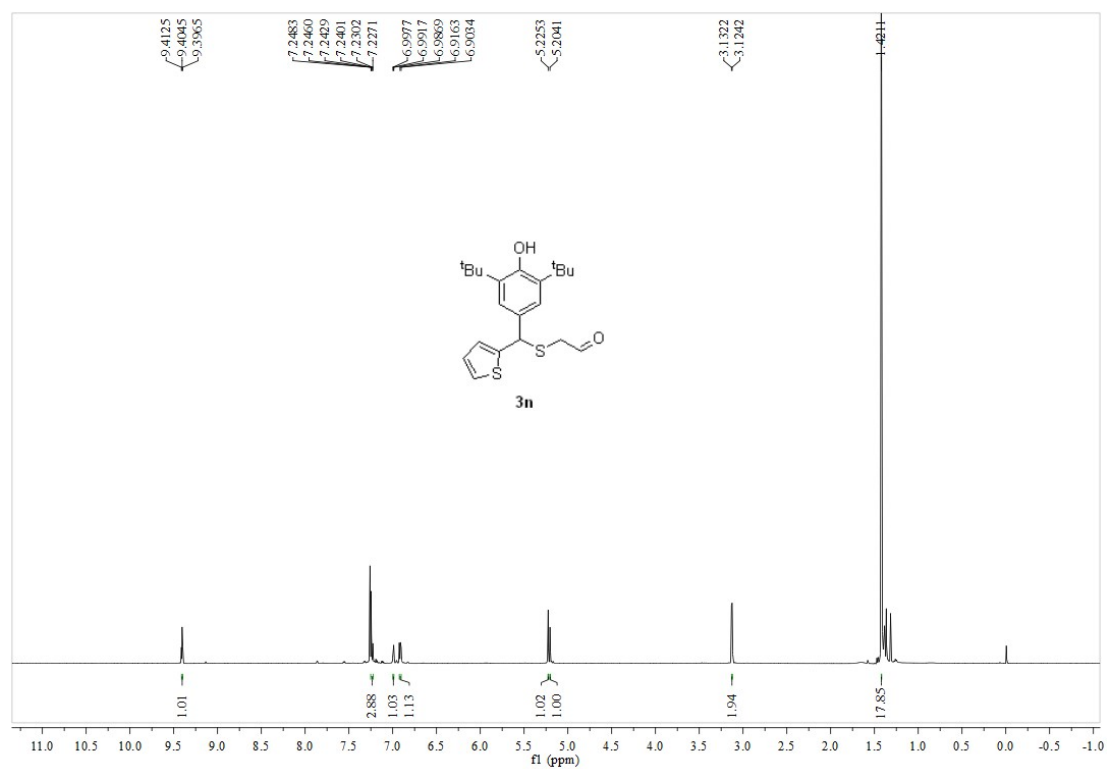
^1H and ^{13}C NMR spectra of compound **31**



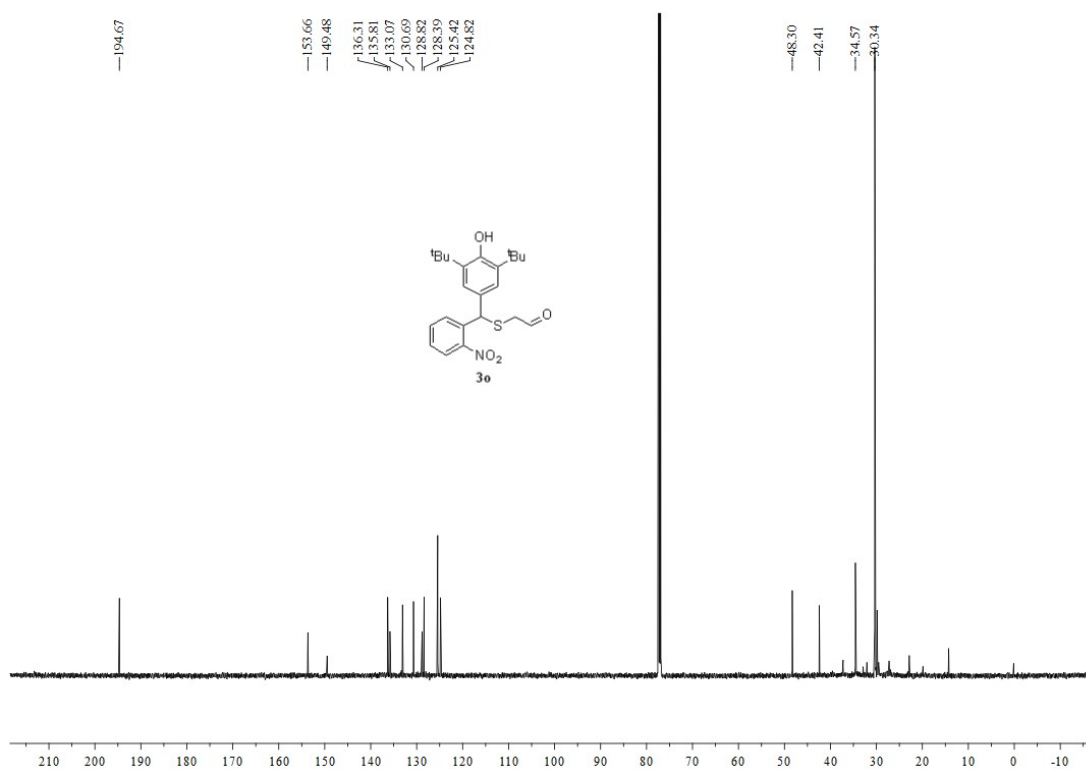
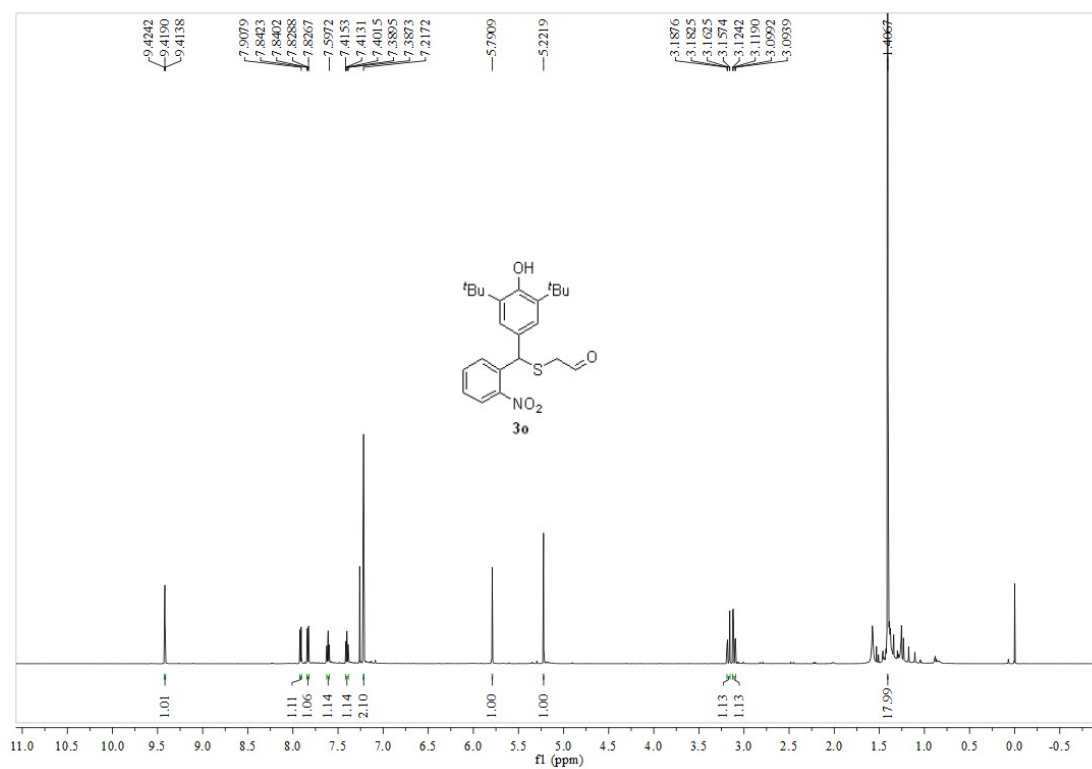
^1H and ^{13}C NMR spectra of compound **3m**



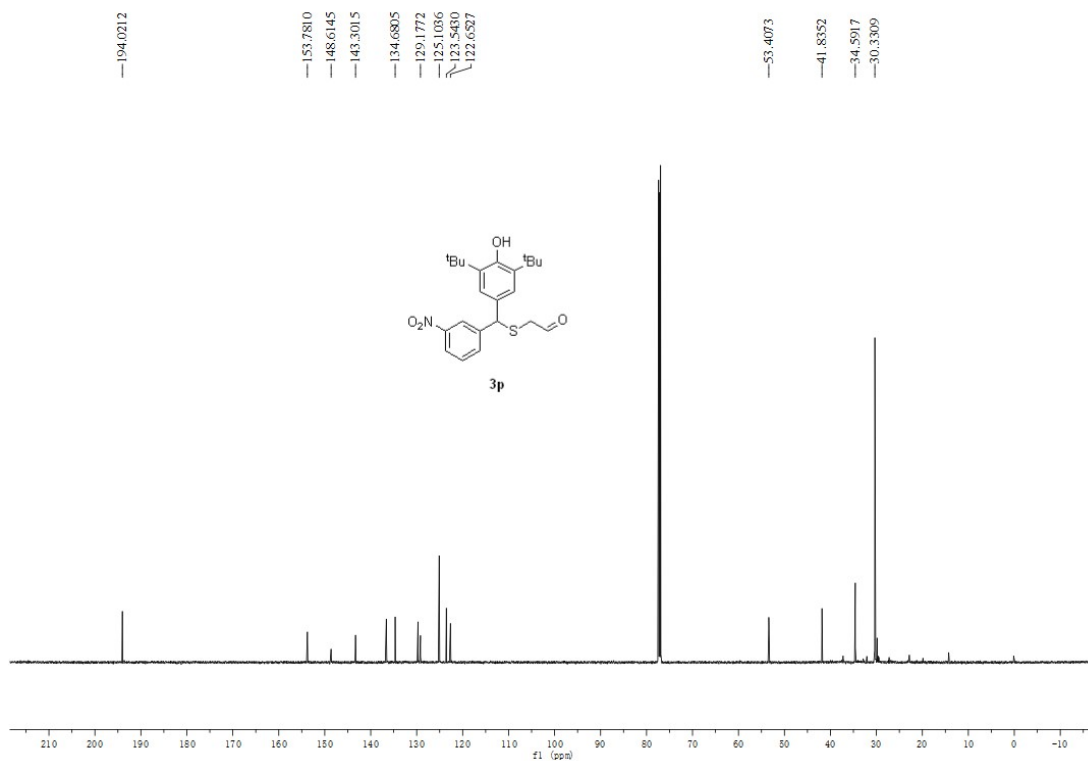
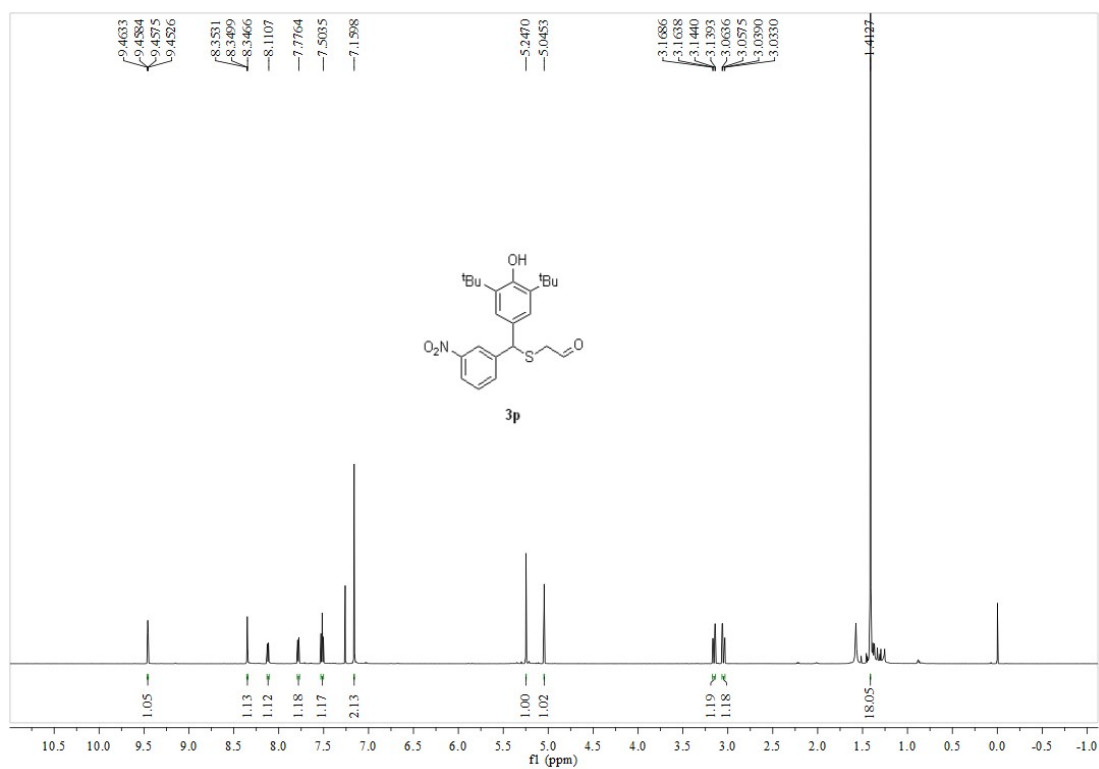
^1H and ^{13}C NMR spectra of compound **3n**



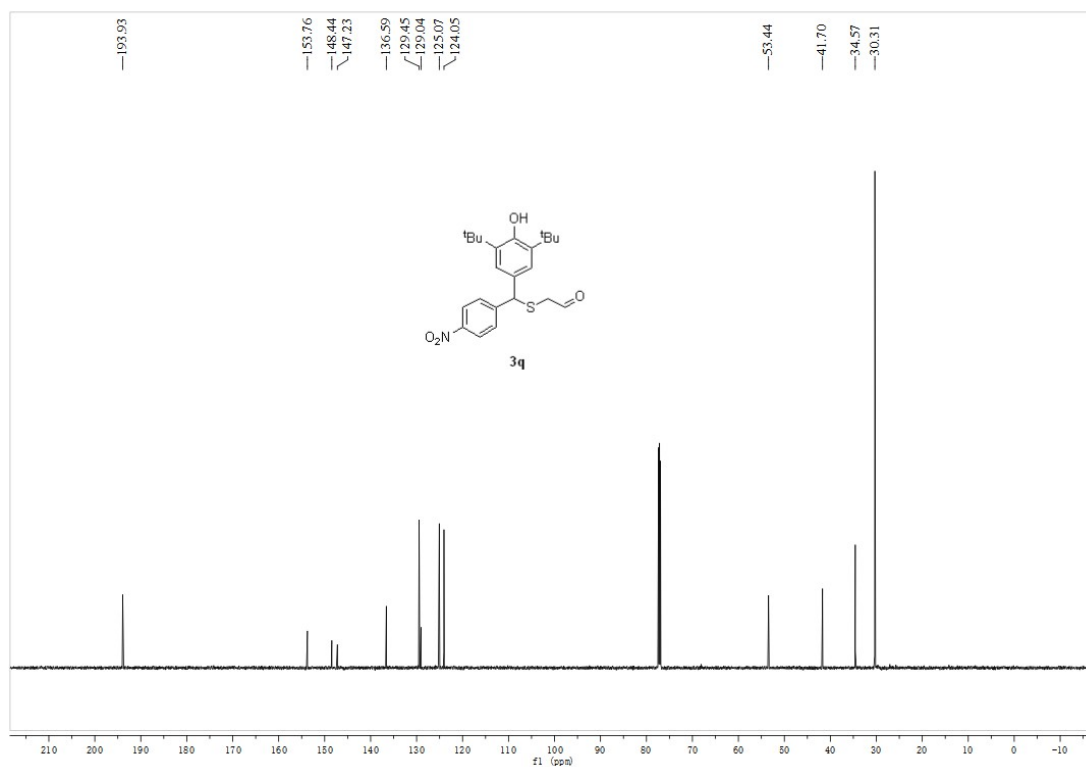
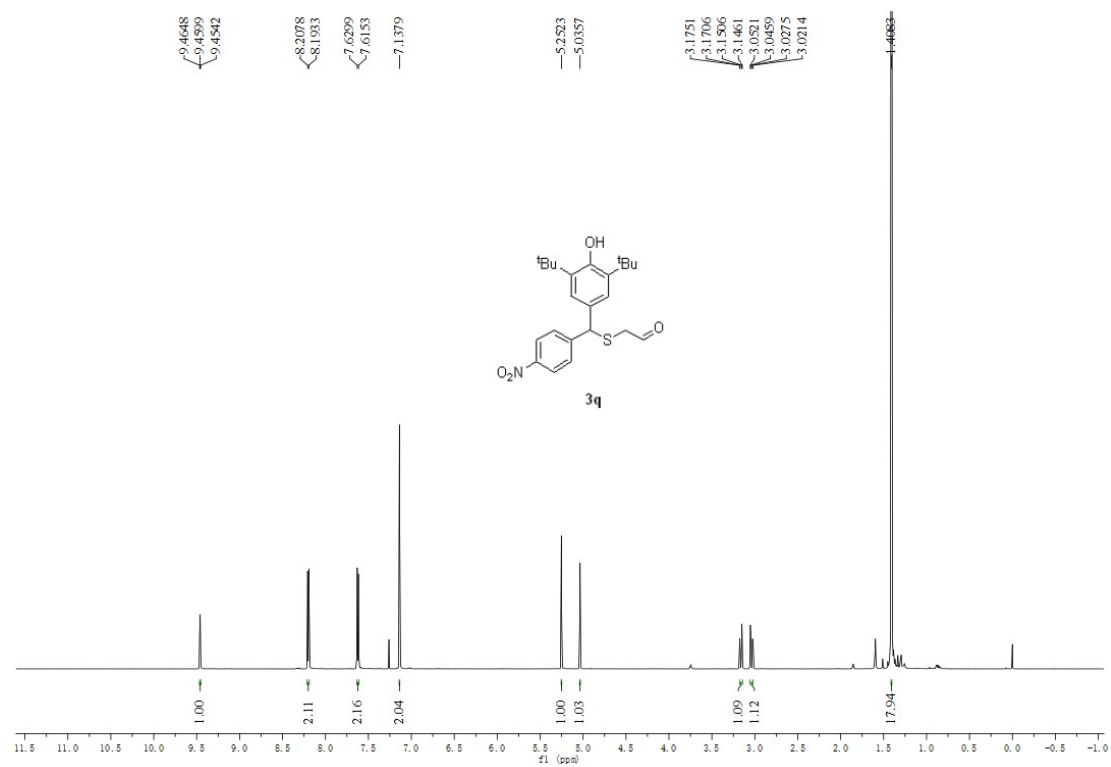
^1H and ^{13}C NMR spectra of compound **3o**



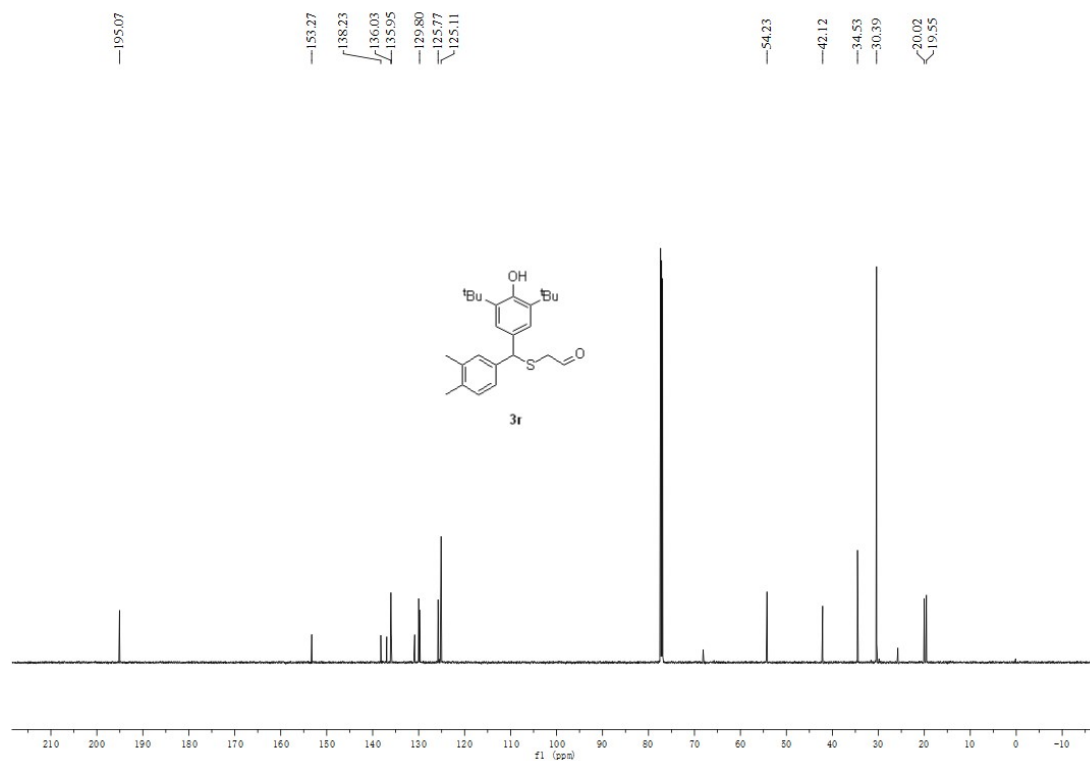
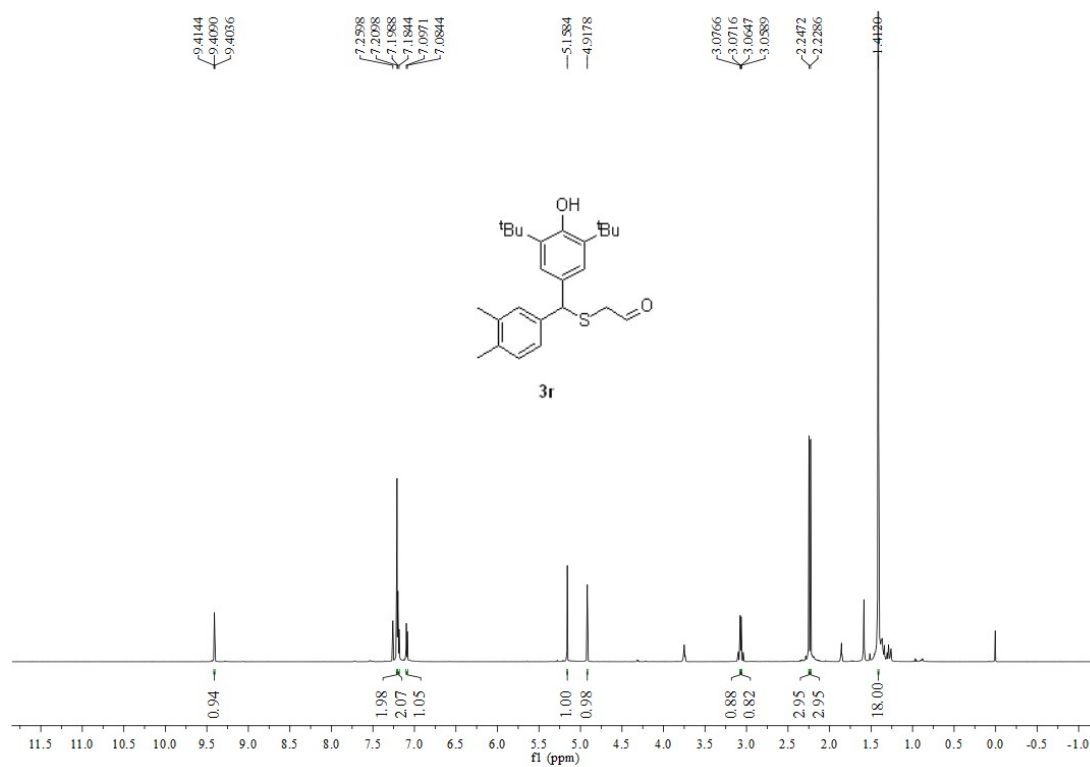
^1H and ^{13}C NMR spectra of compound **3p**



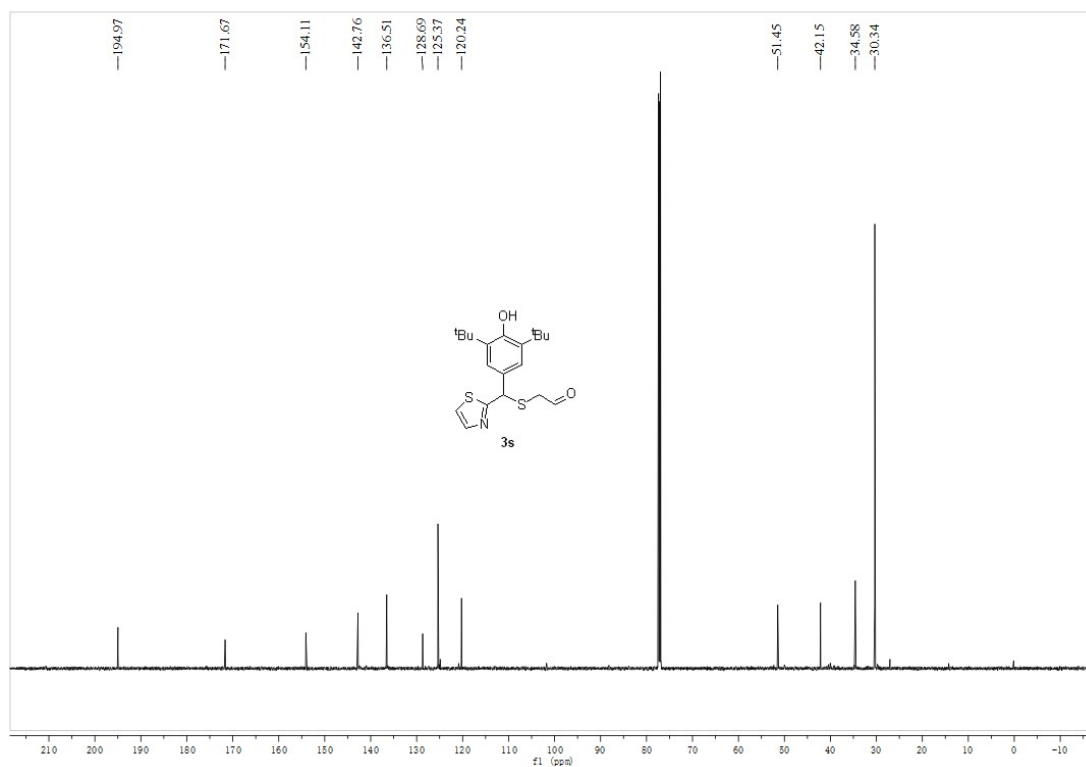
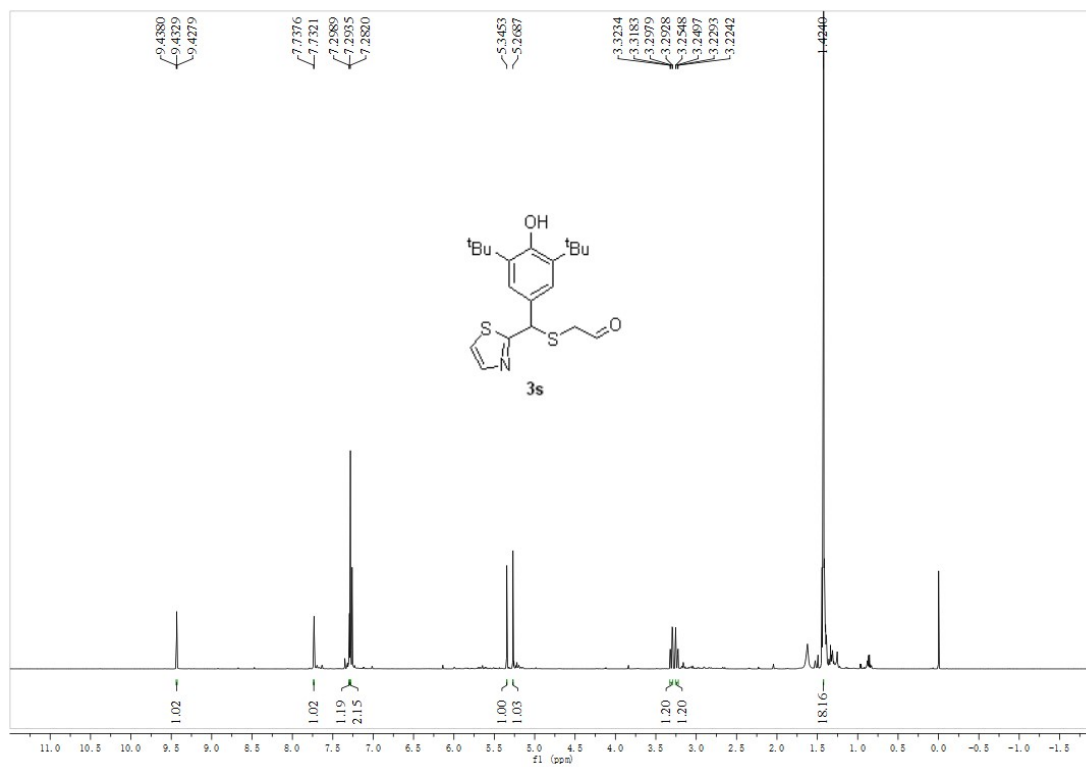
^1H and ^{13}C NMR spectra of compound **3q**



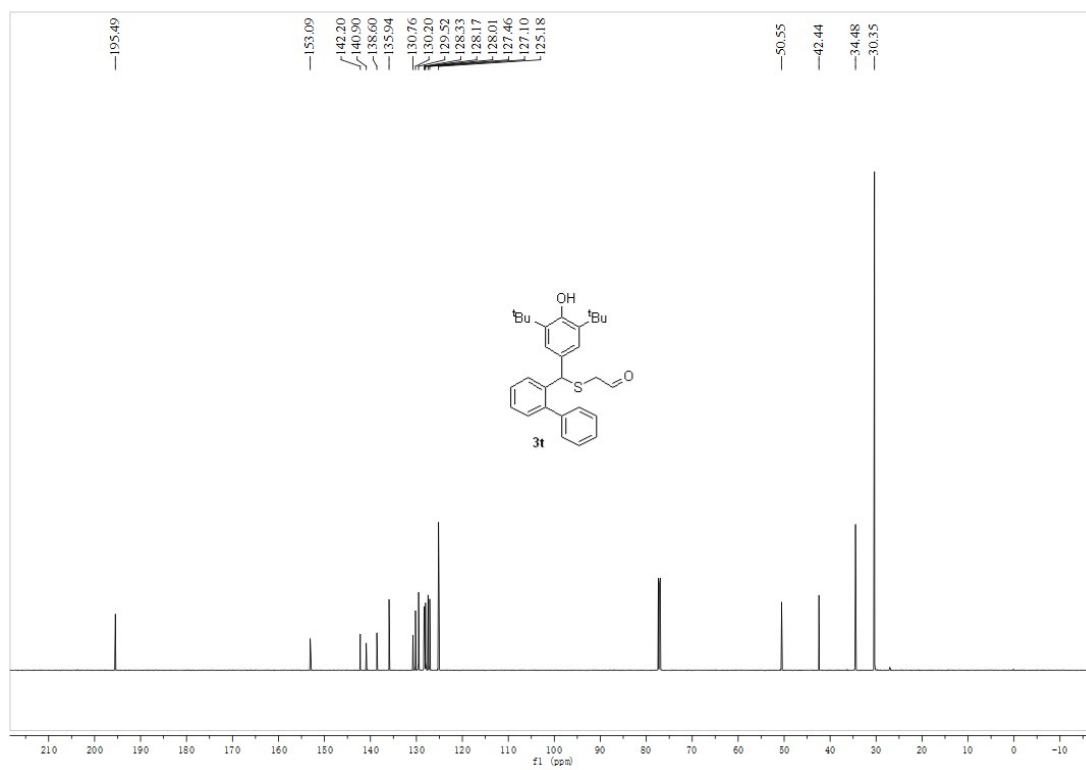
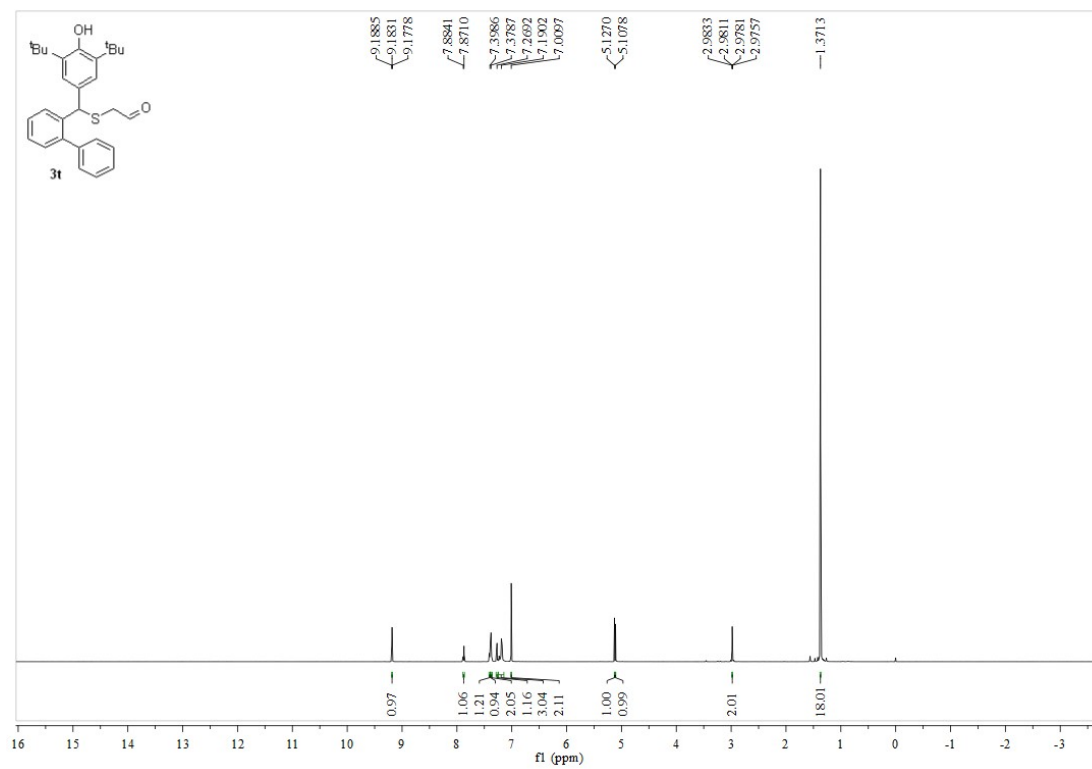
^1H and ^{13}C NMR spectra of compound **3r**



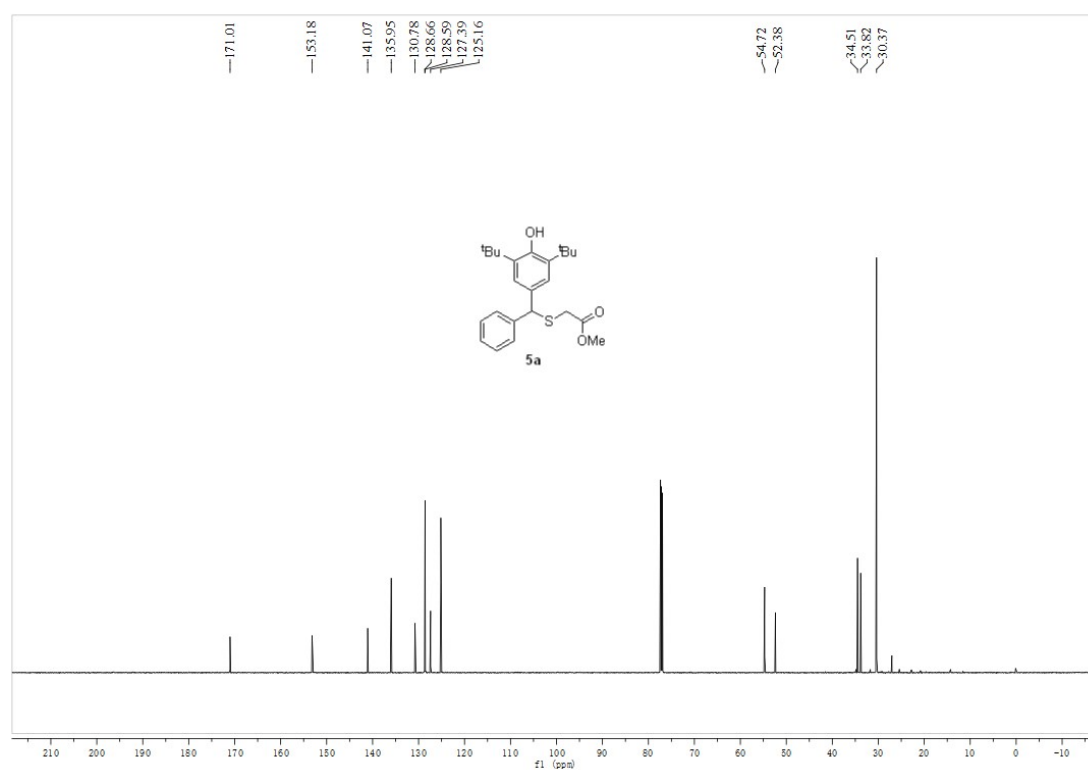
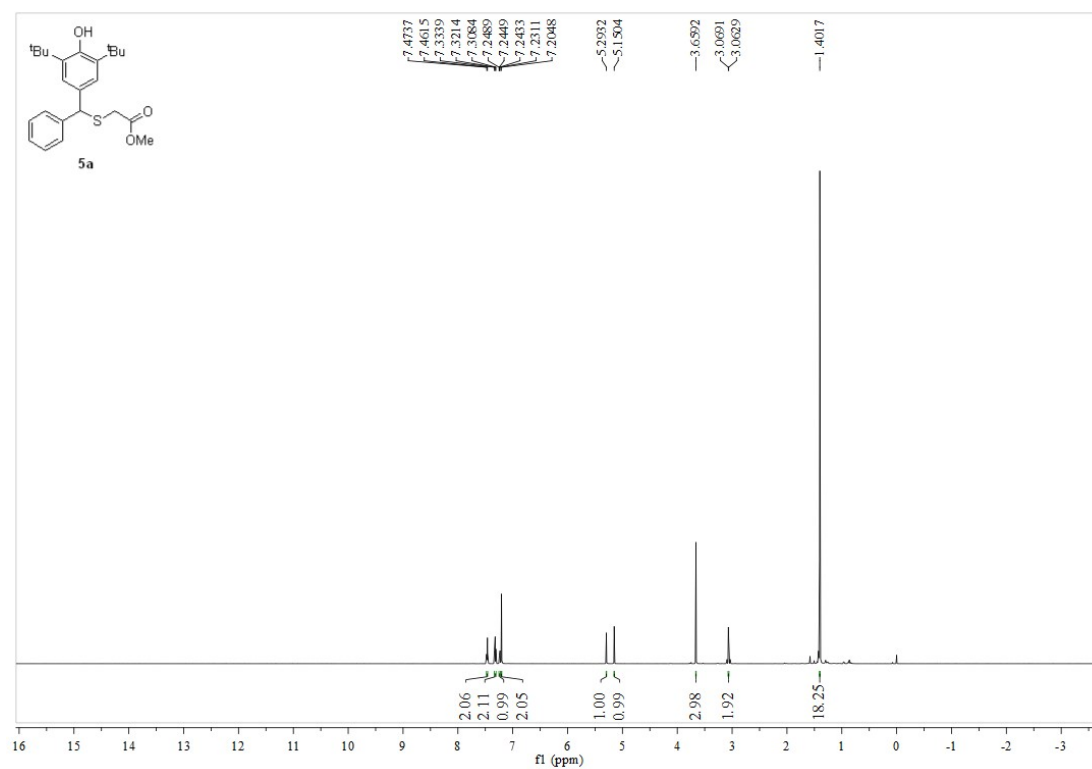
^1H and ^{13}C NMR spectra of compound **3s**



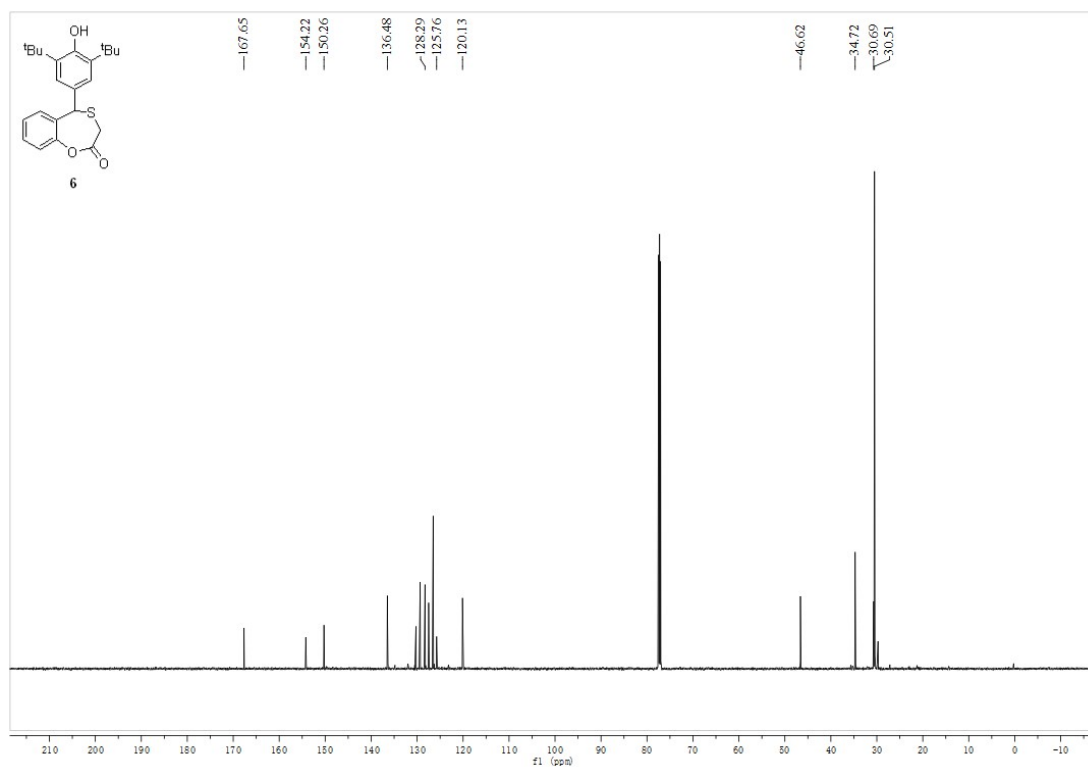
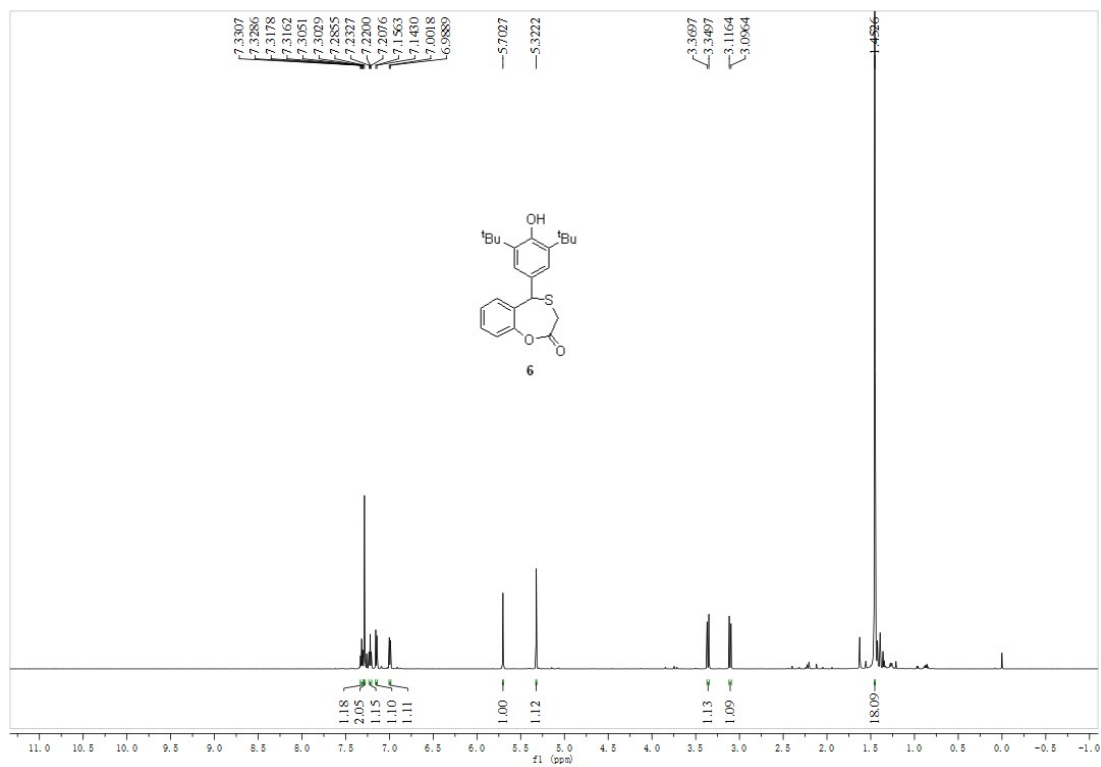
^1H and ^{13}C NMR spectra of compound **3t**



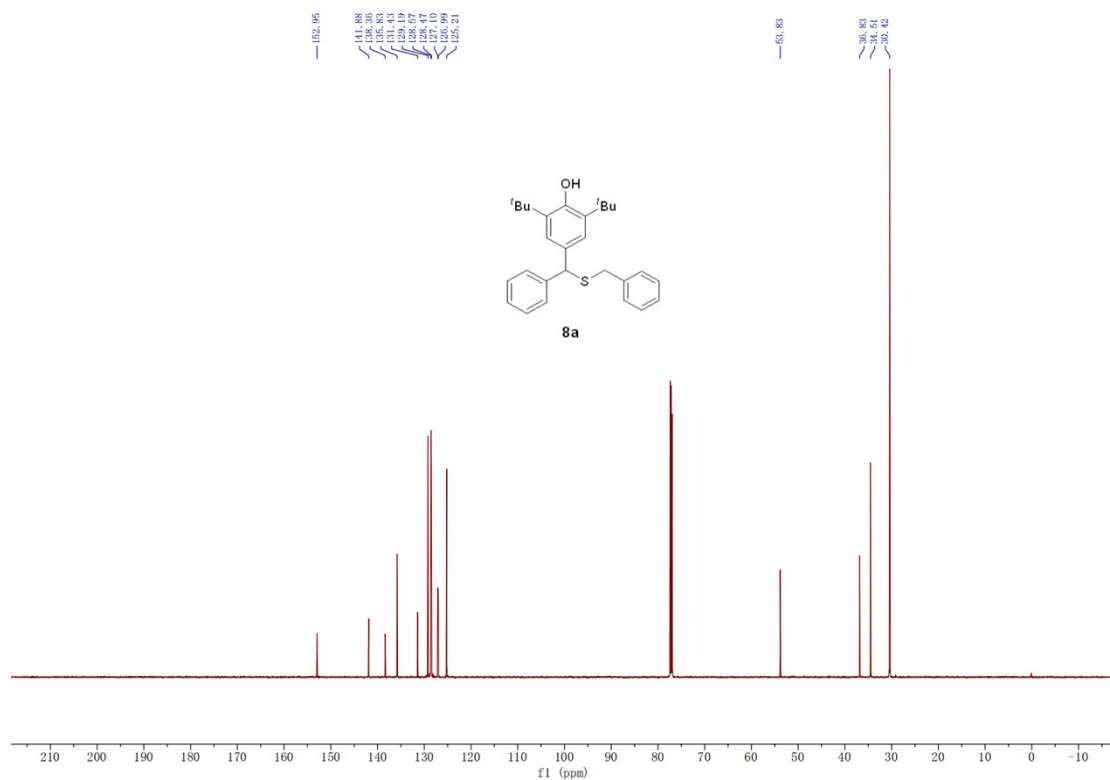
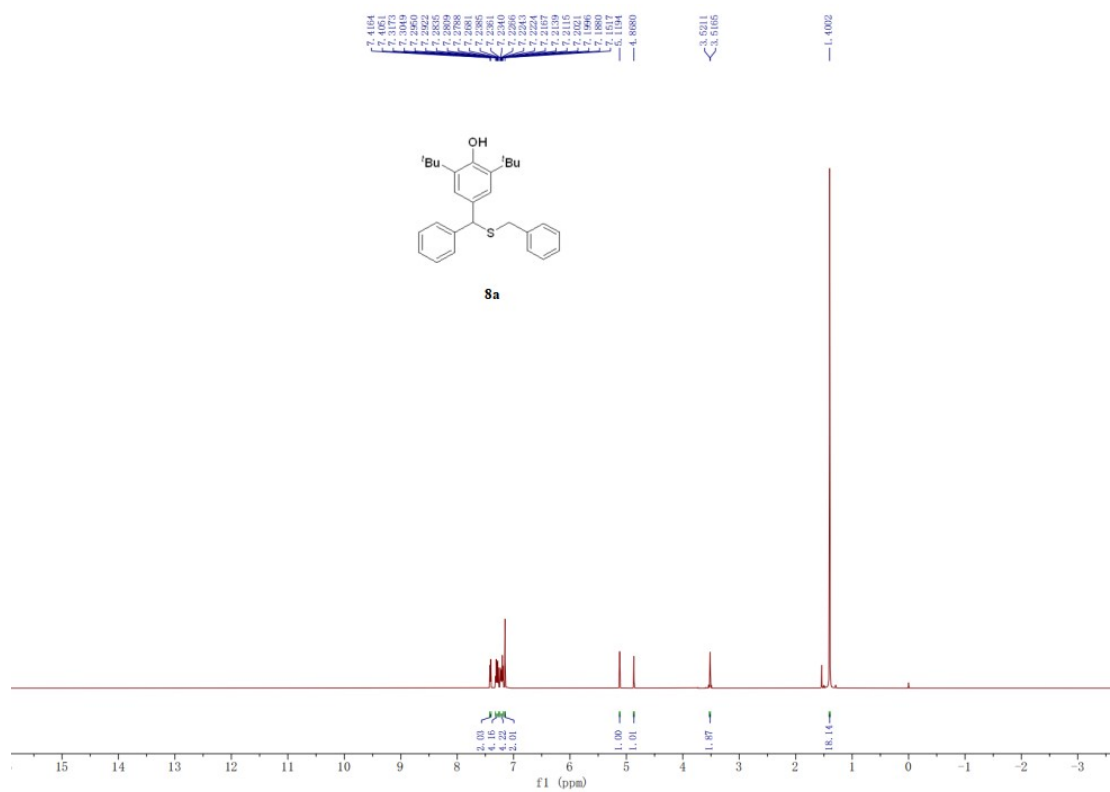
^1H and ^{13}C NMR spectra of compound **5a**



^1H and ^{13}C NMR spectra of compound 6



^1H and ^{13}C NMR spectra of compound **8a**



^1H and ^{13}C NMR spectra of compound **8b**

