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Electronic Supplementary Information (ESI)

Palladium-catalyzed coupling of azoles with 1-aryltriazenes via C-H/C-N cleavage

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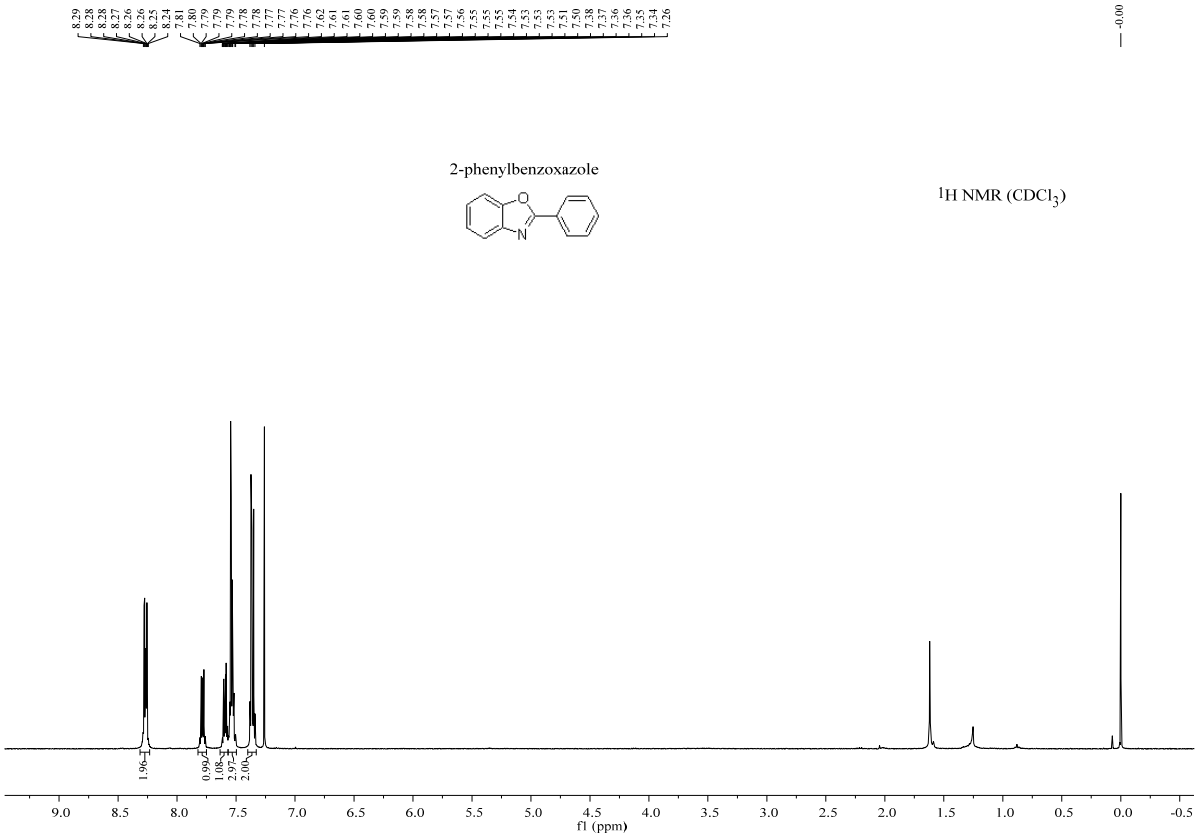
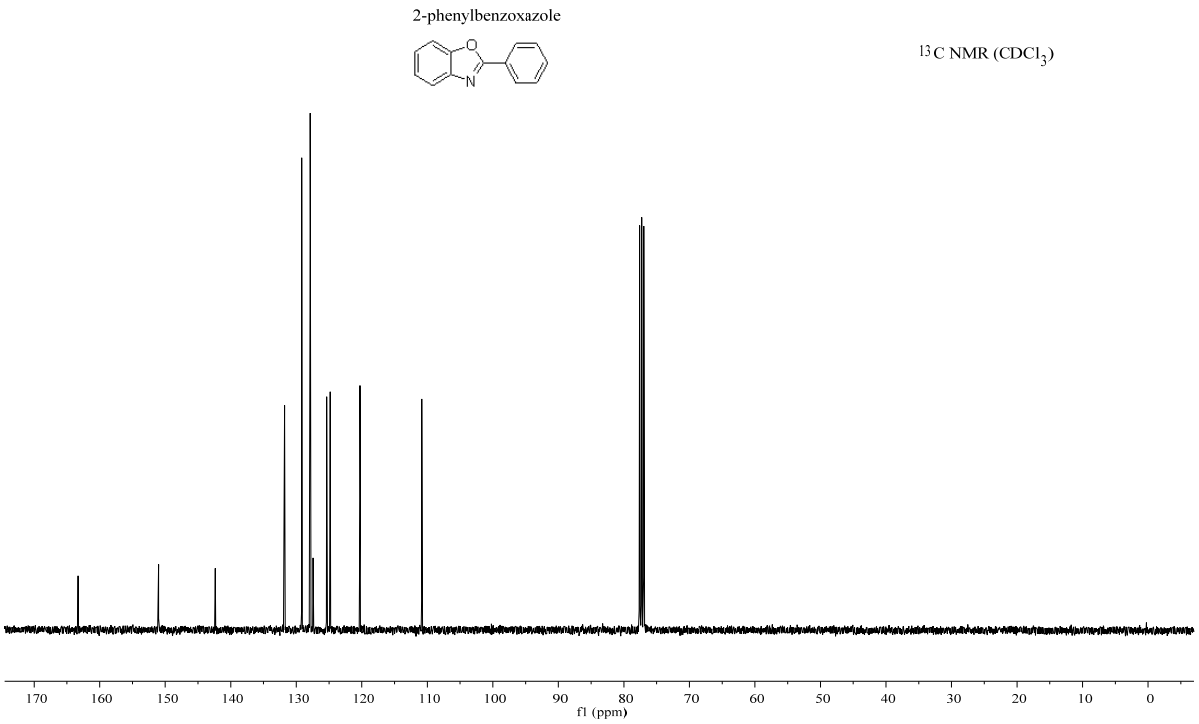
Copies of NMR spectra of the coupling products

(1) 2-phenylbenzoxazole (**3a**)





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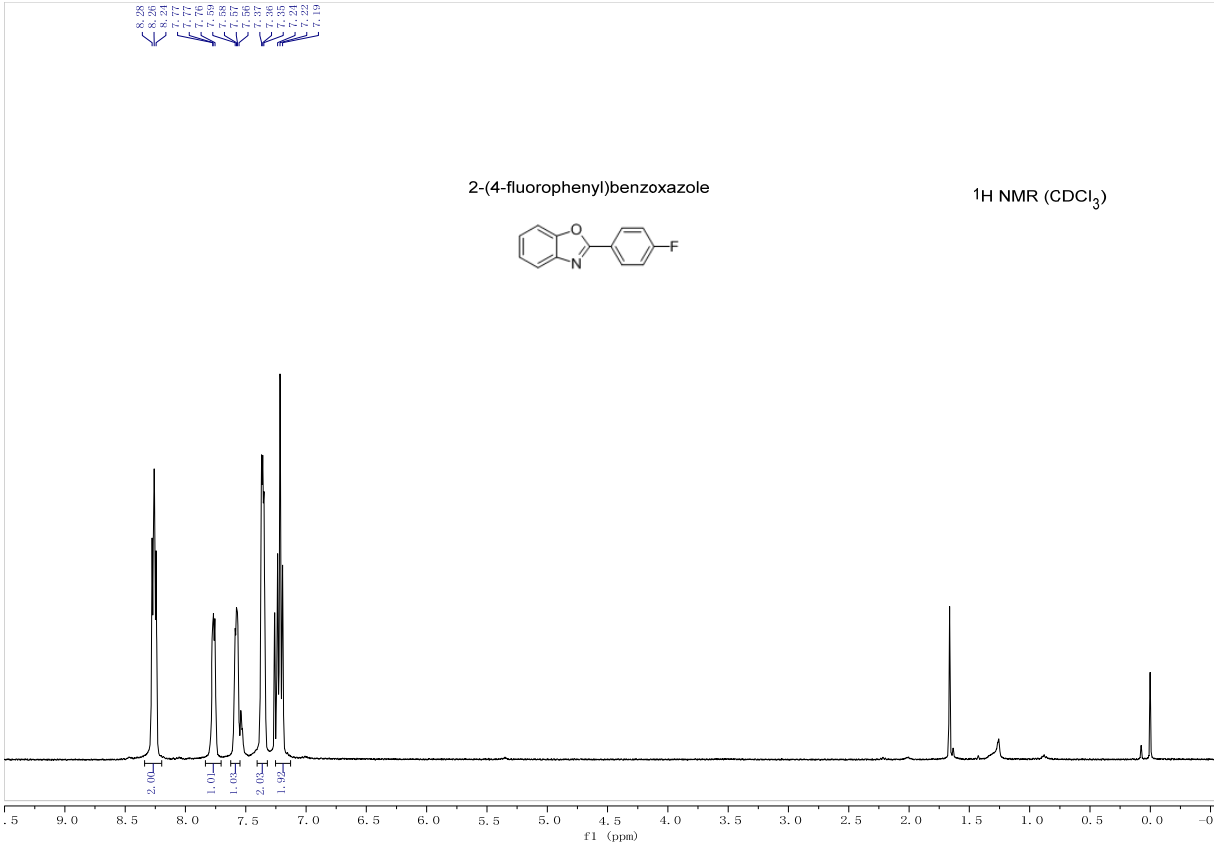
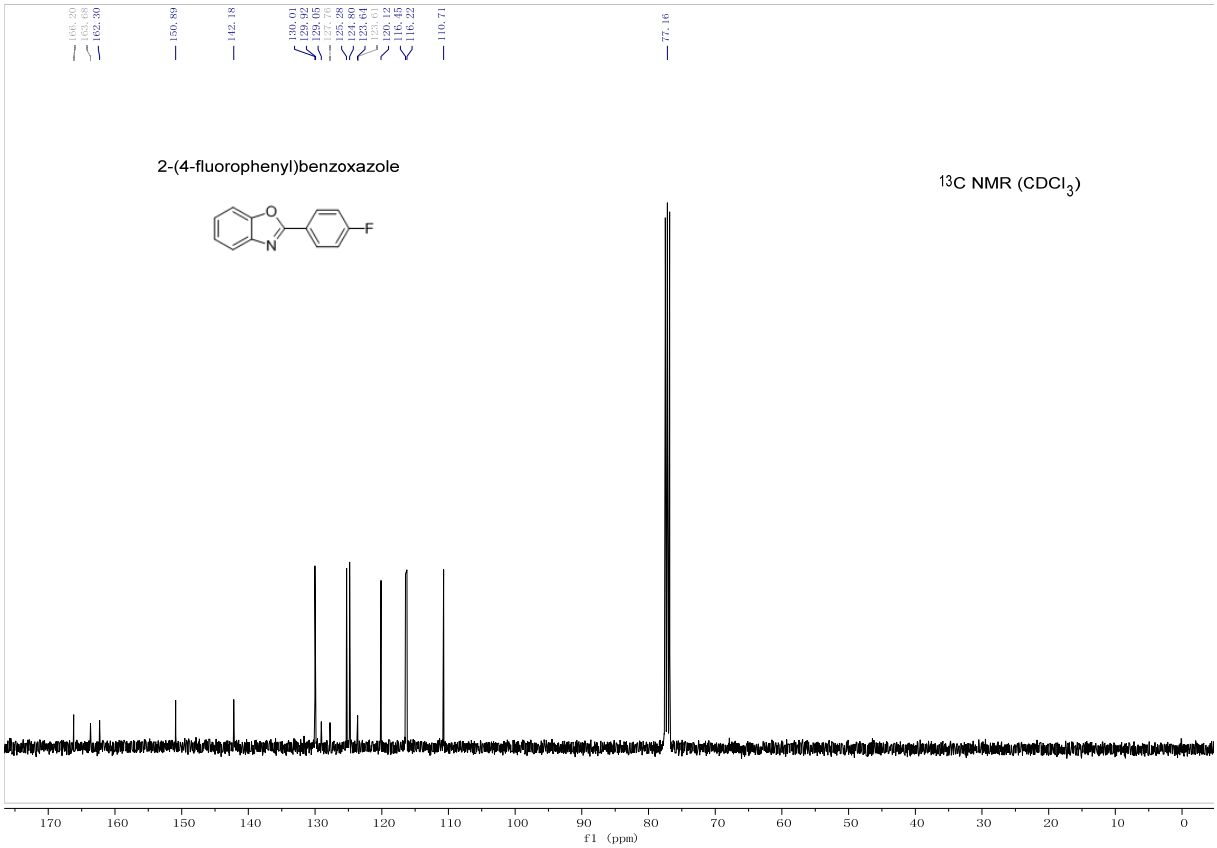
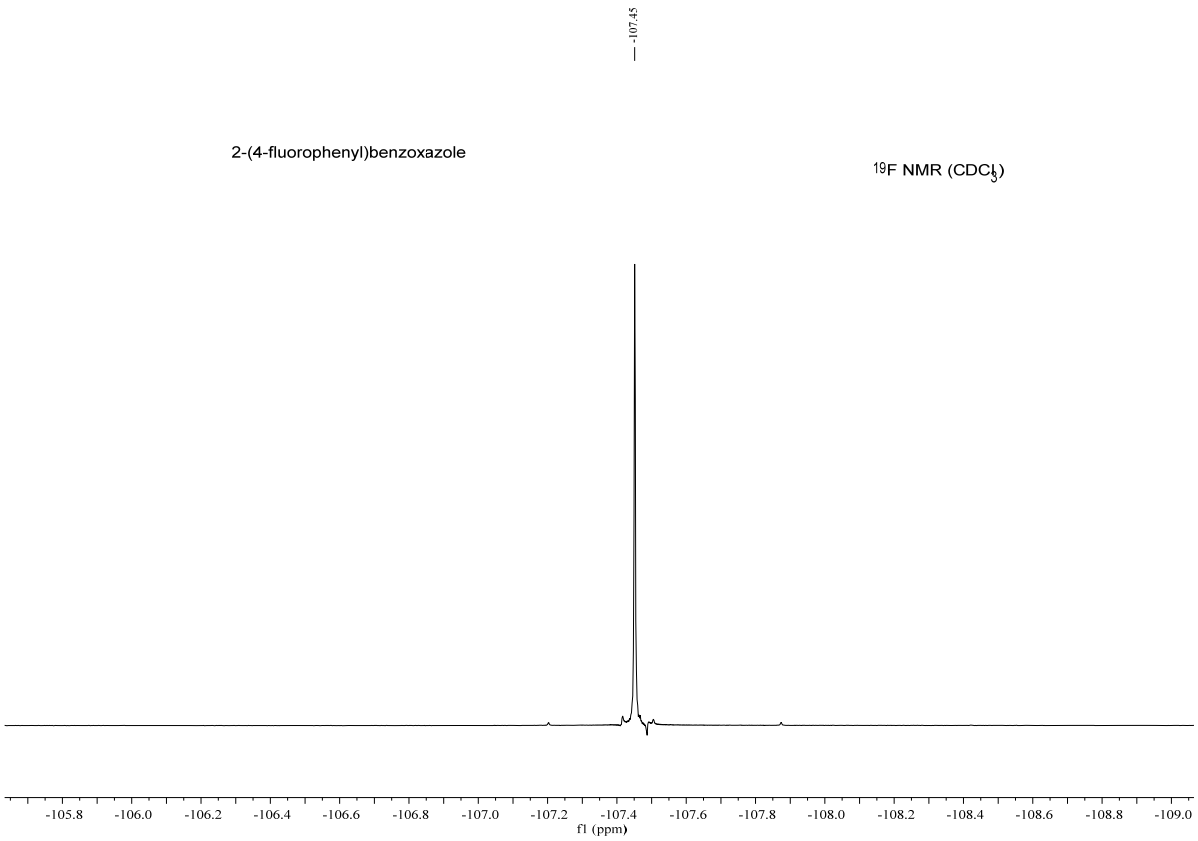




2-(4-fluorophenyl)benzoxazole

^{19}F NMR ($CDCl_3$)



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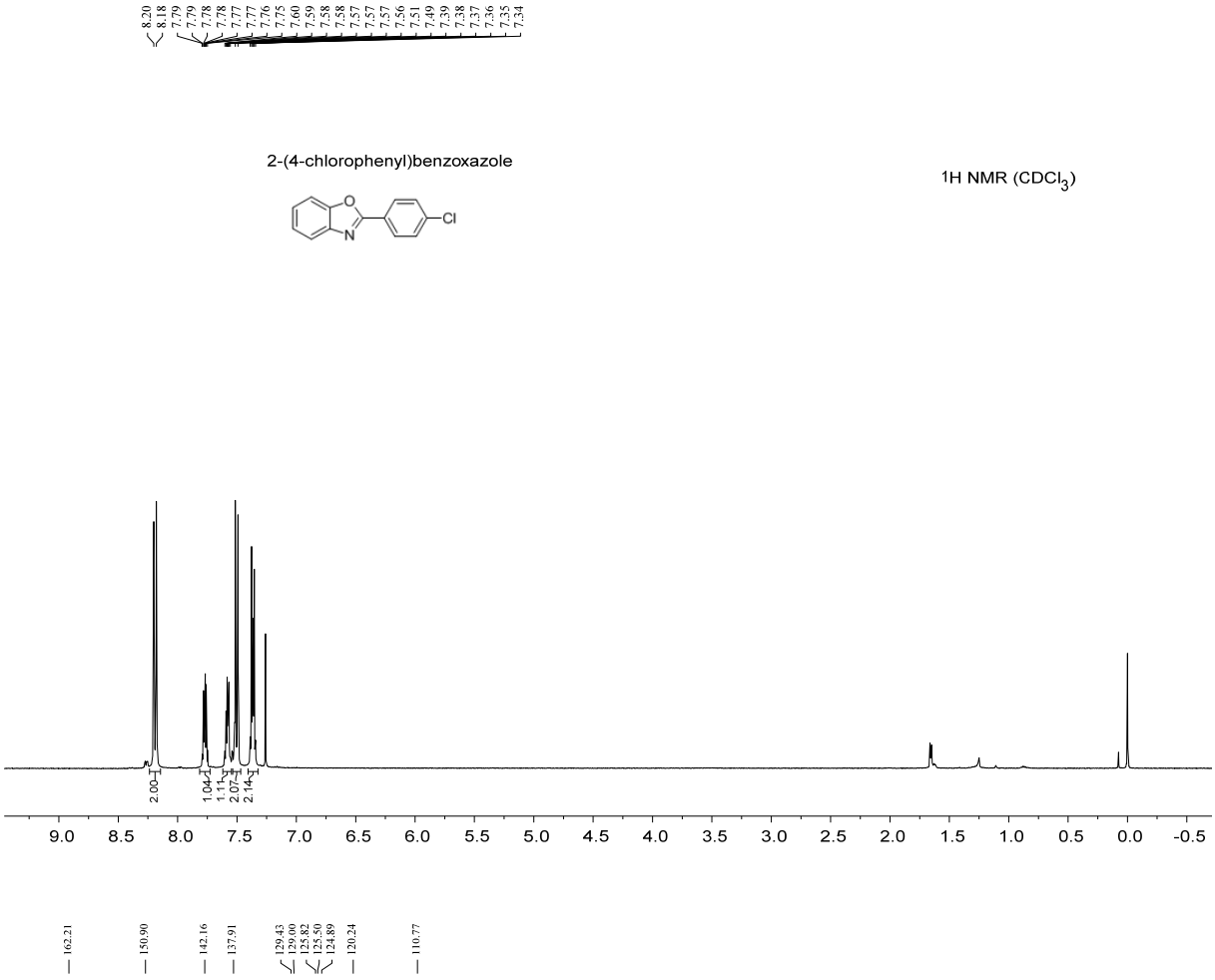

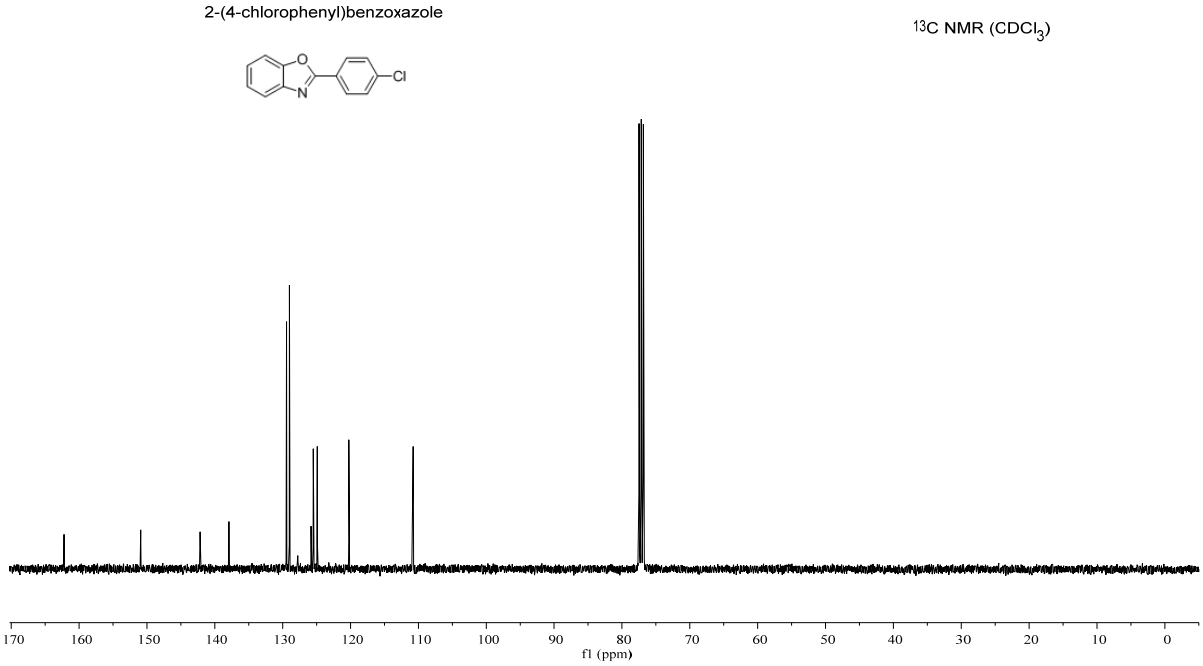

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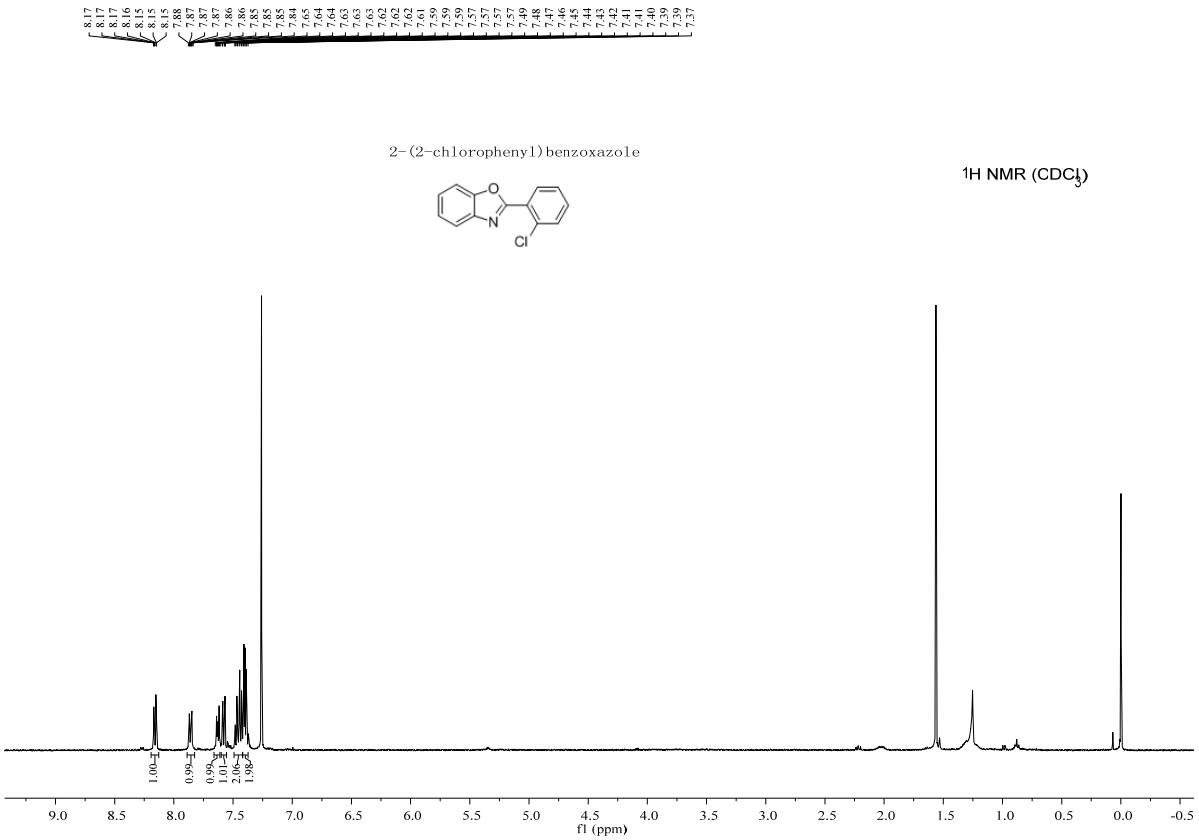

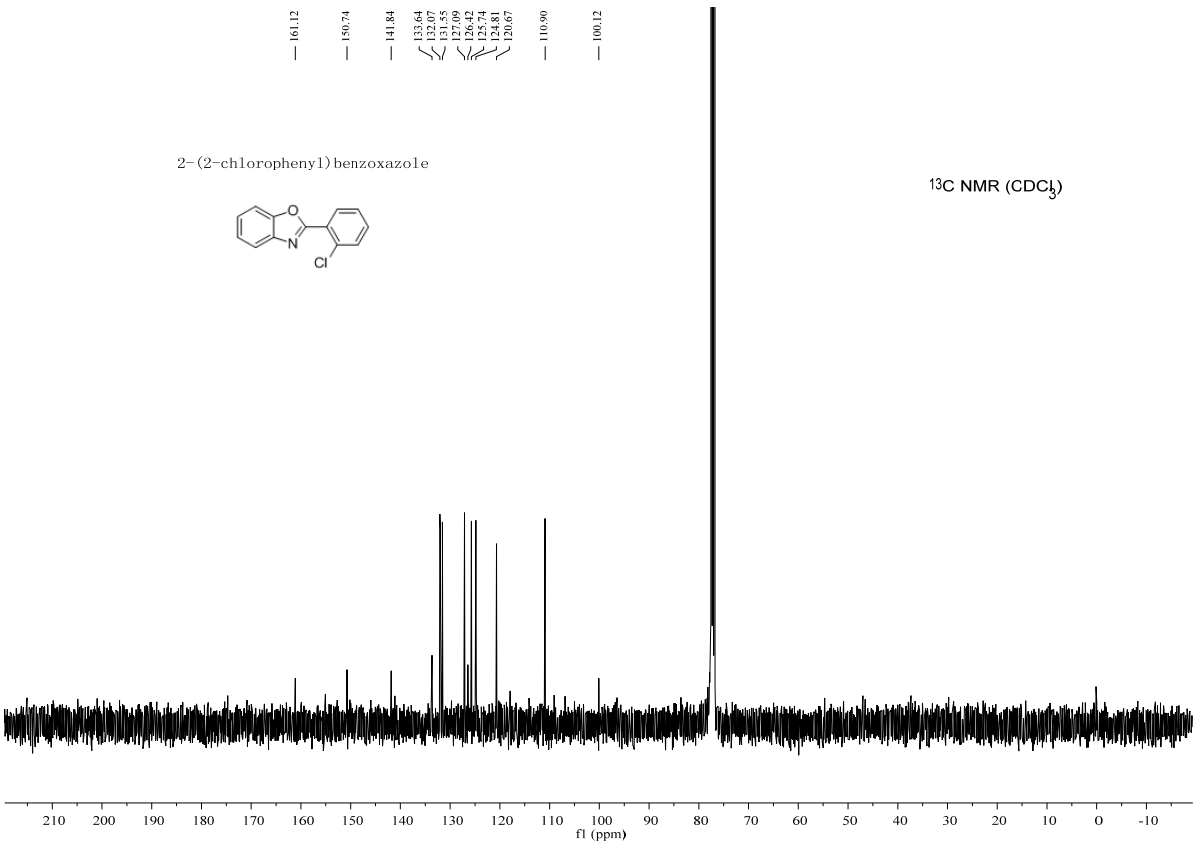

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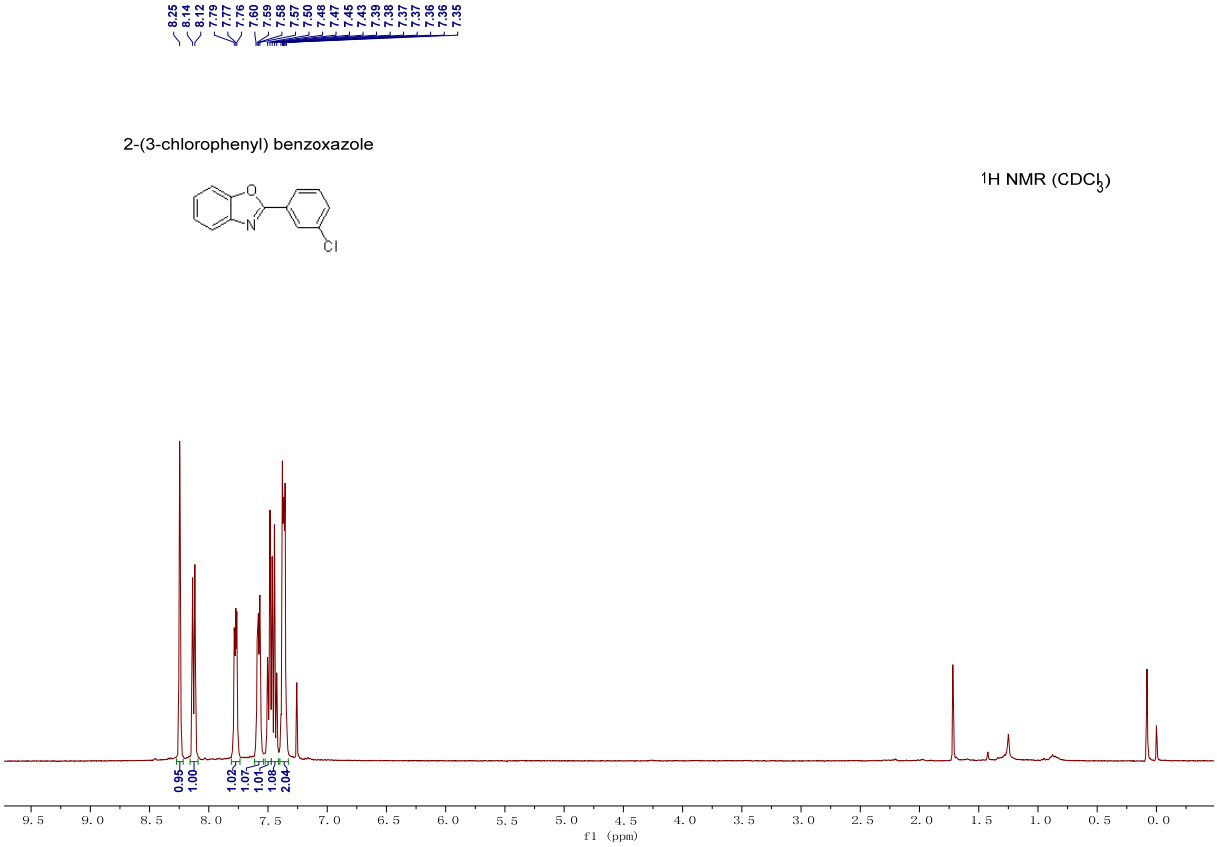

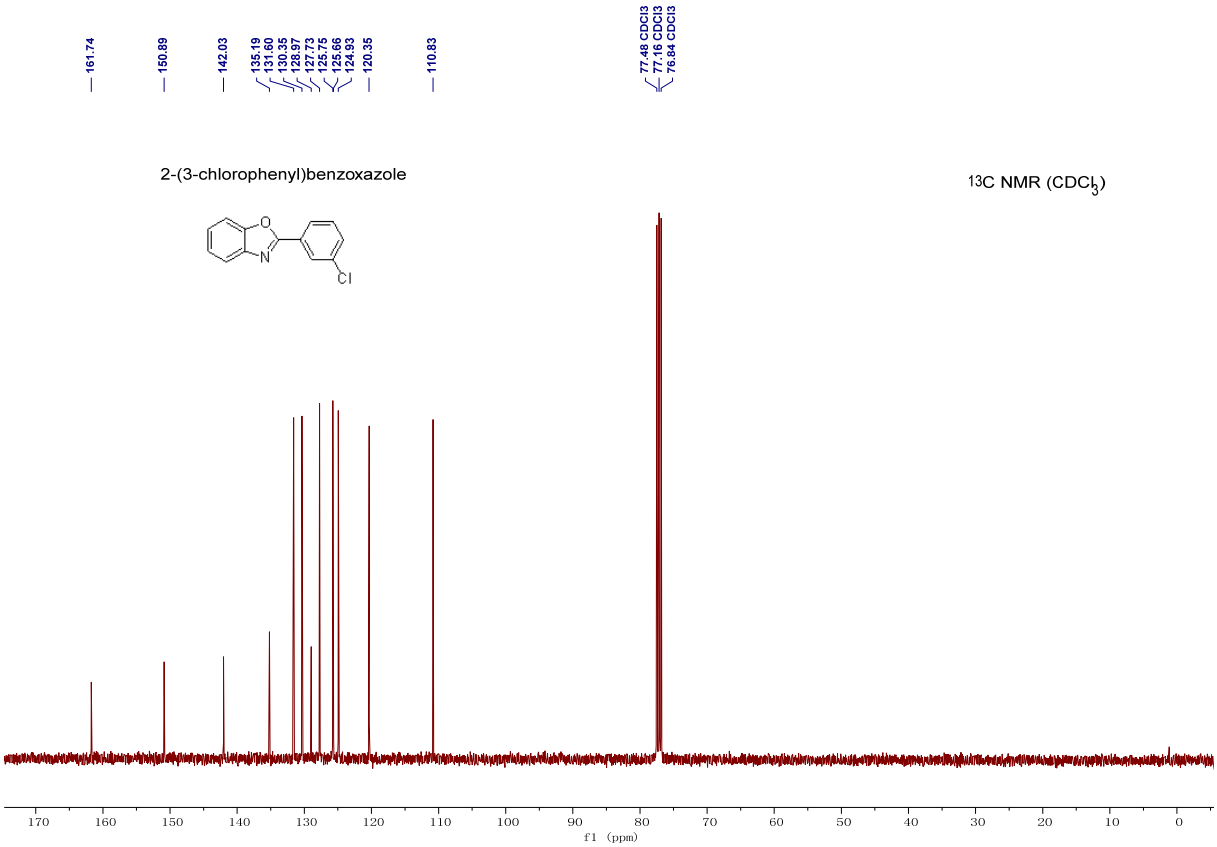

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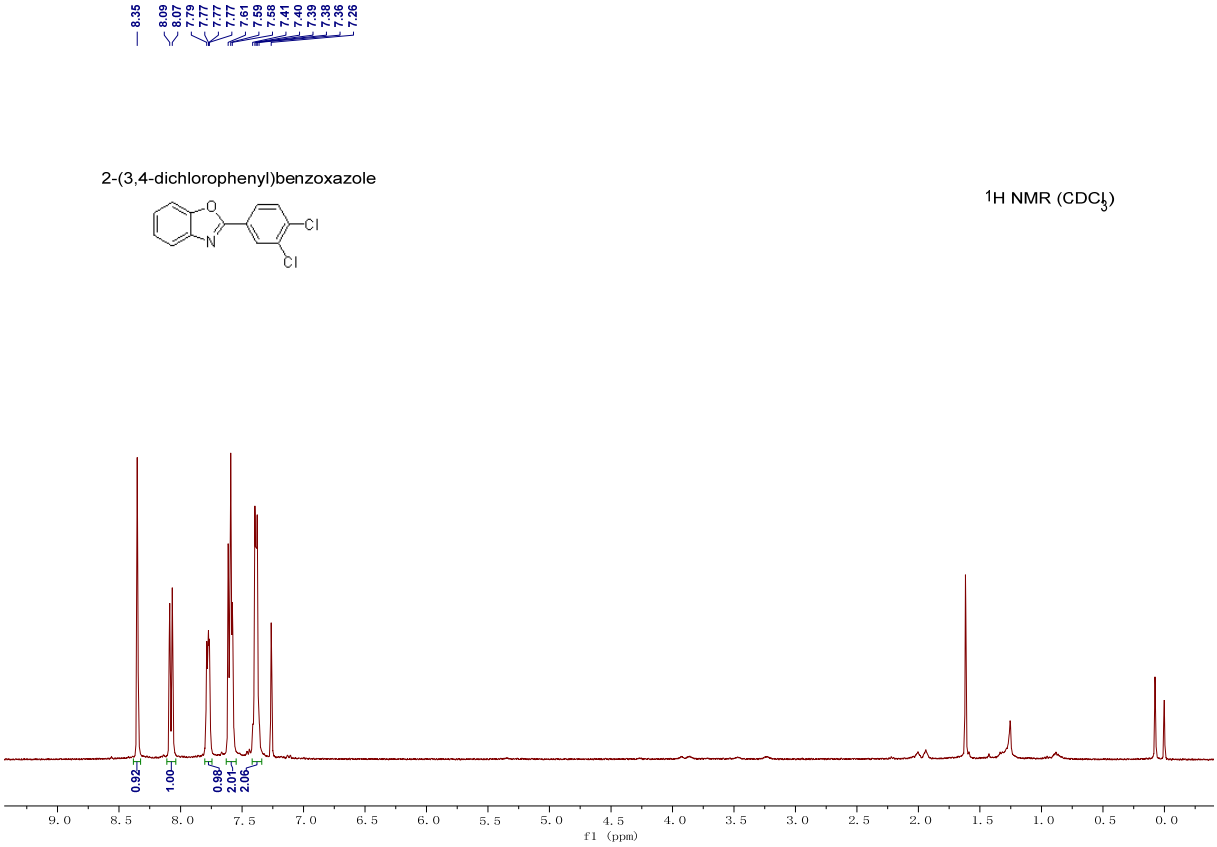
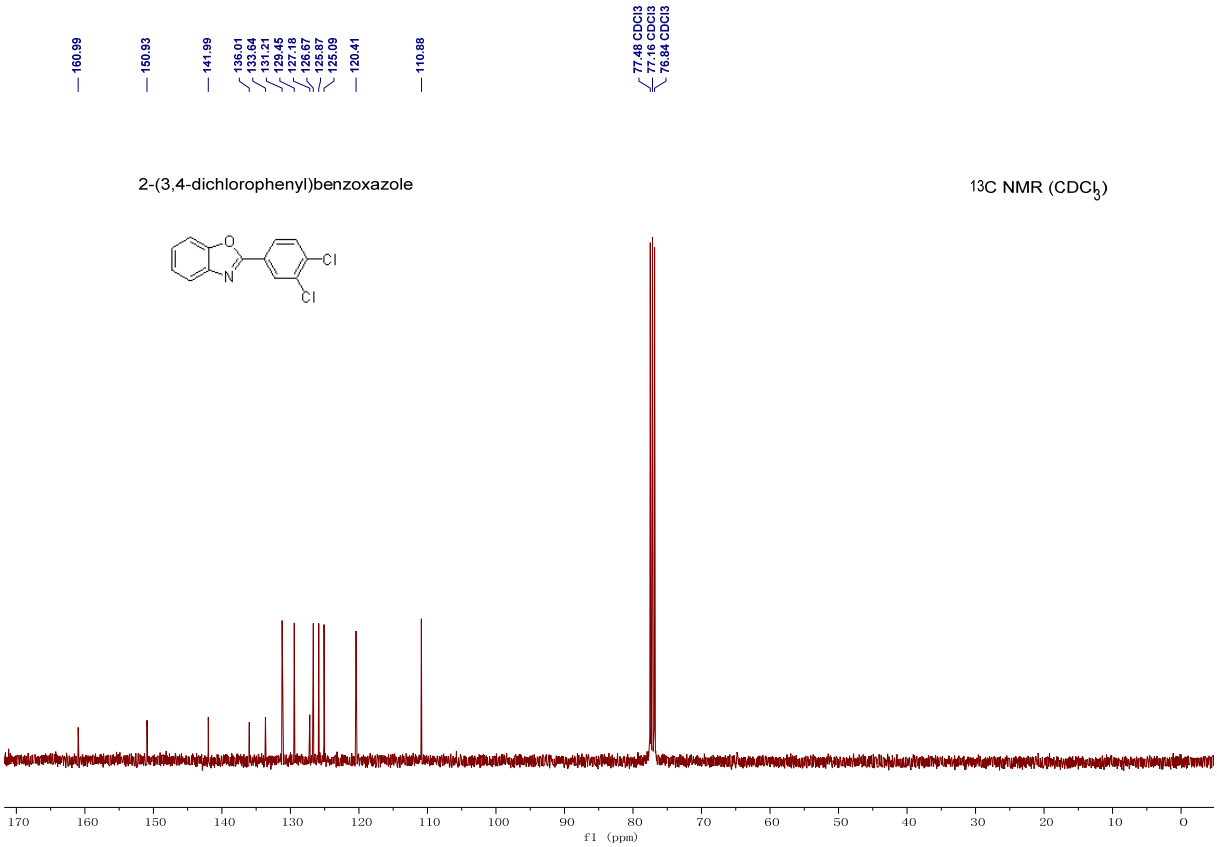
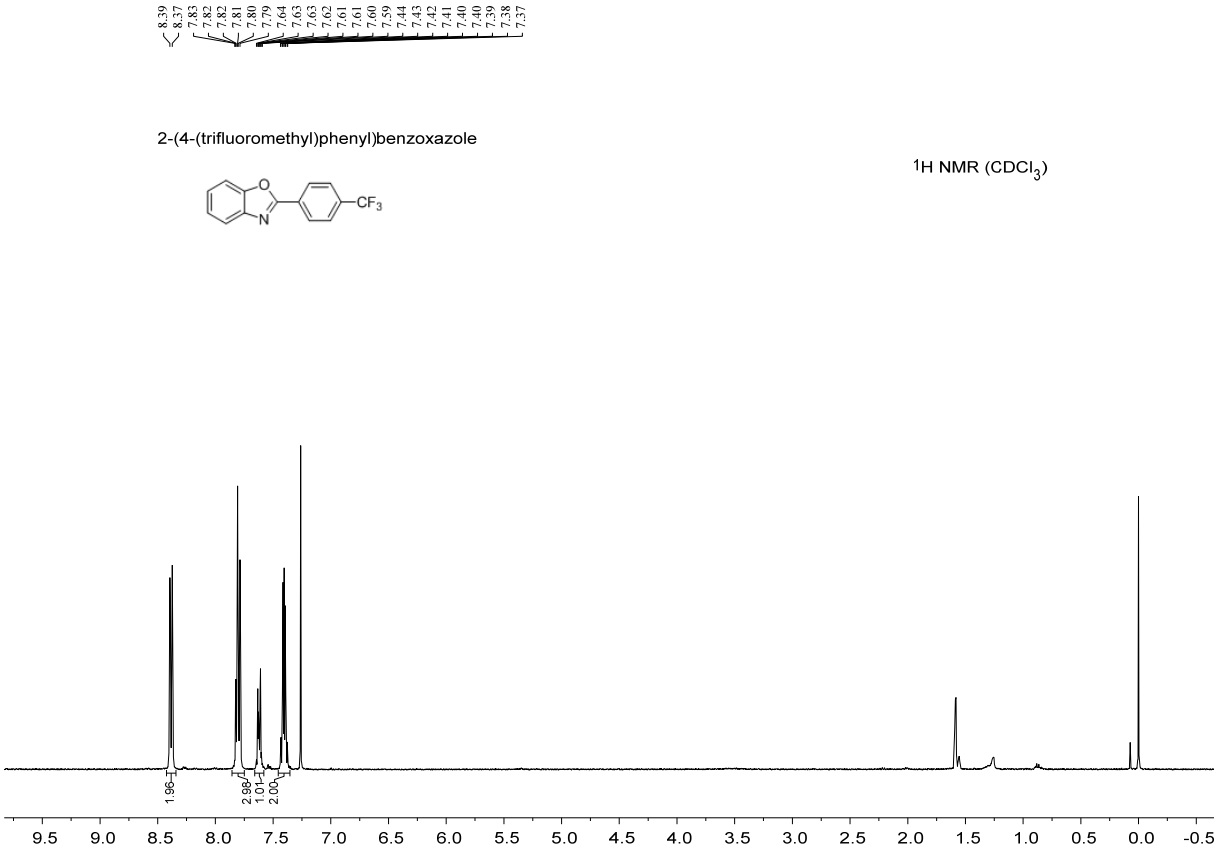
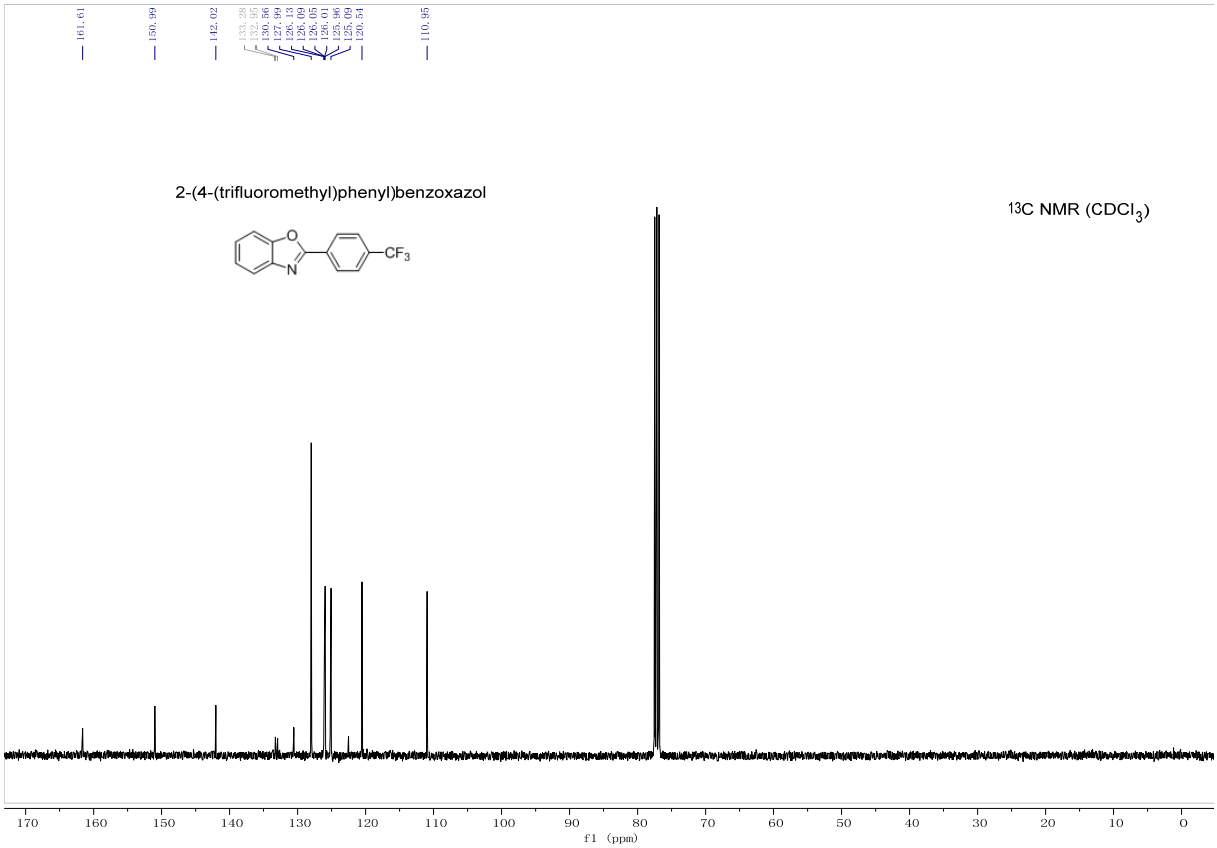




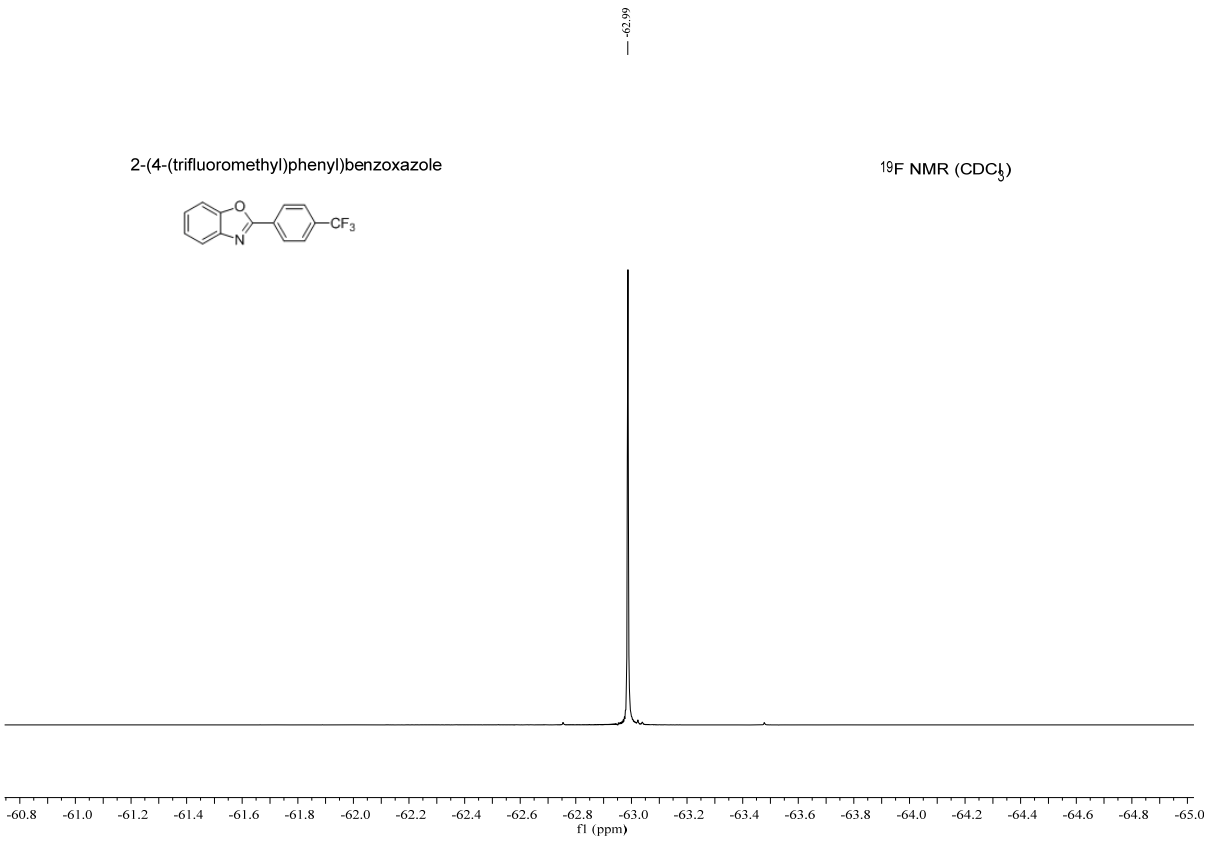
(7) 2-(4-(trifluoromethyl)phenyl)benzoxazole (**3g**)





2-(4-(trifluoromethyl)phenyl)benzoxazole

^{19}F NMR ($CDCl_3$)



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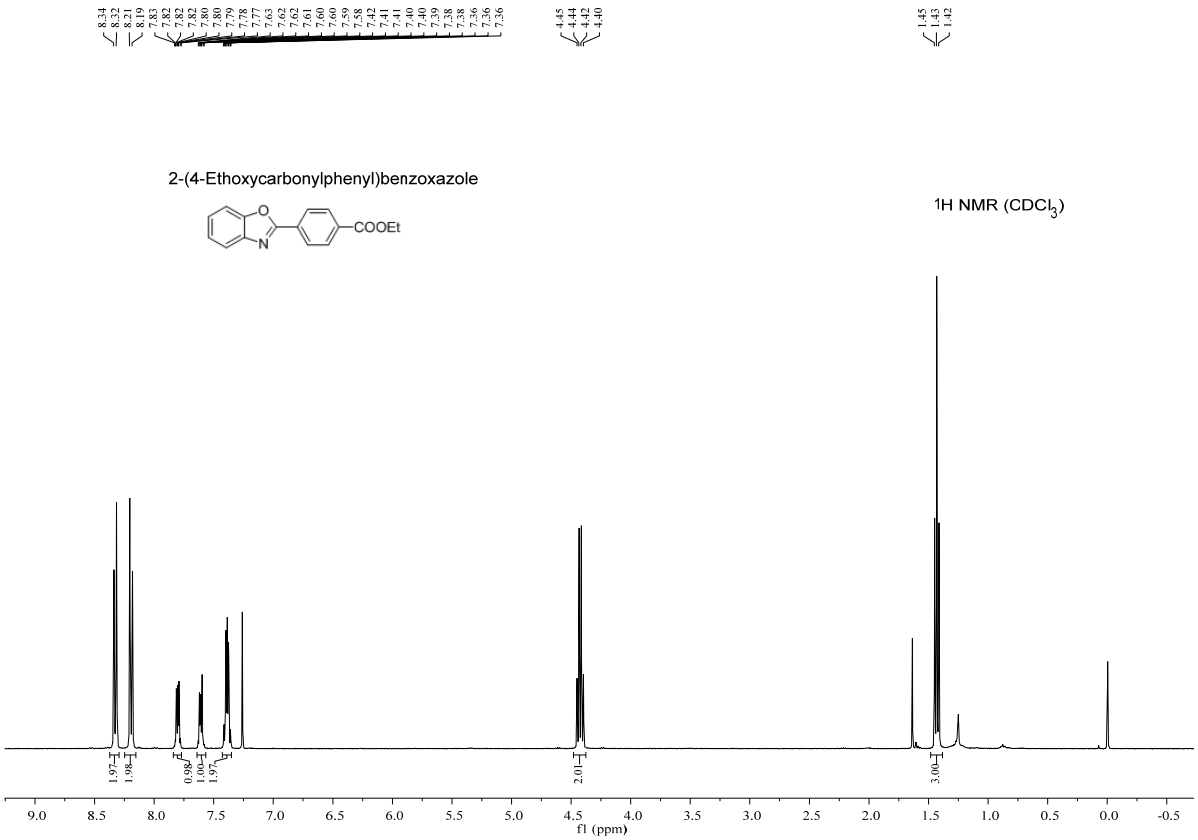

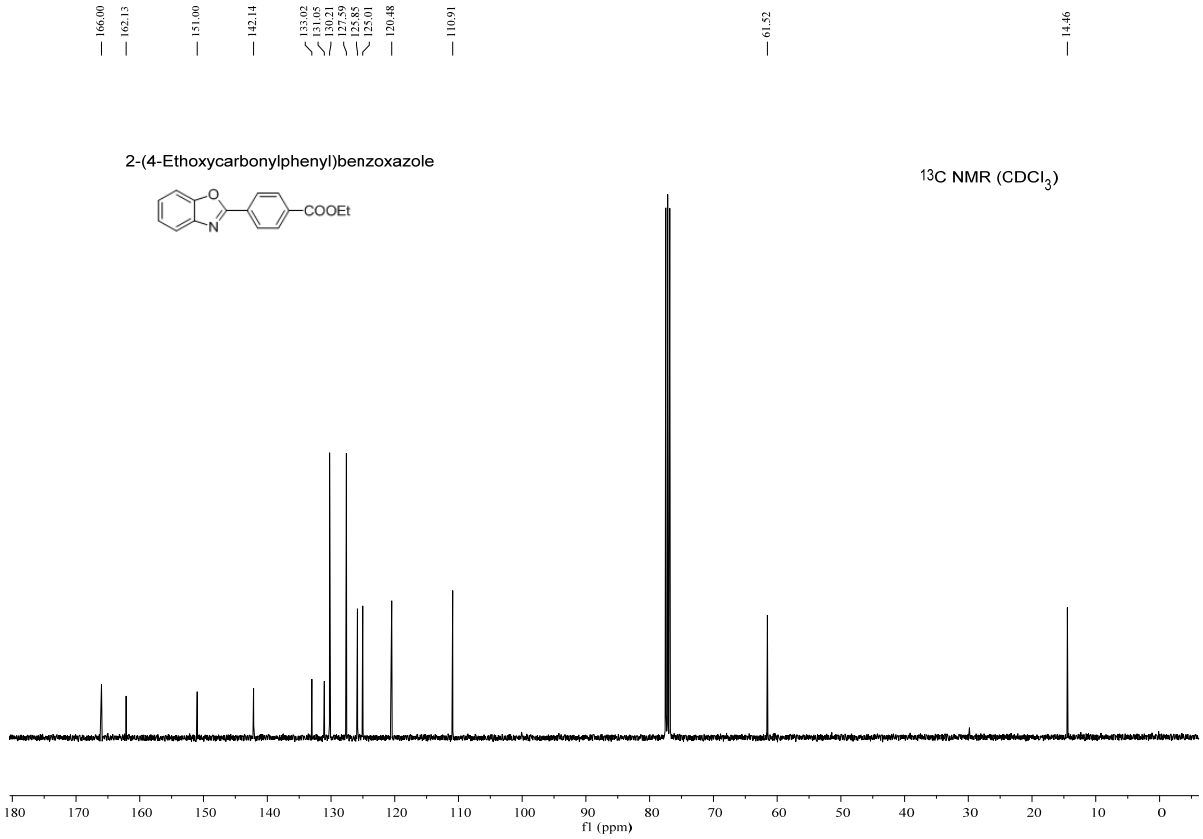

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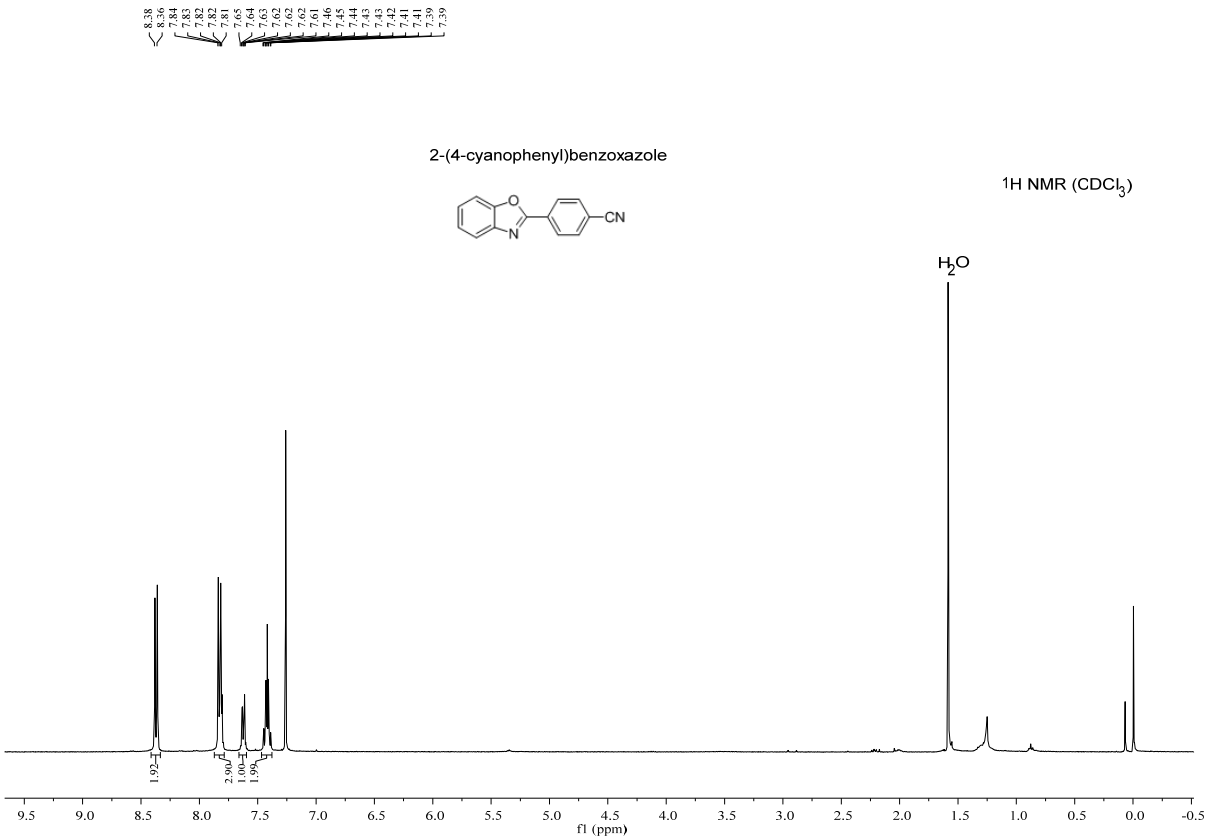

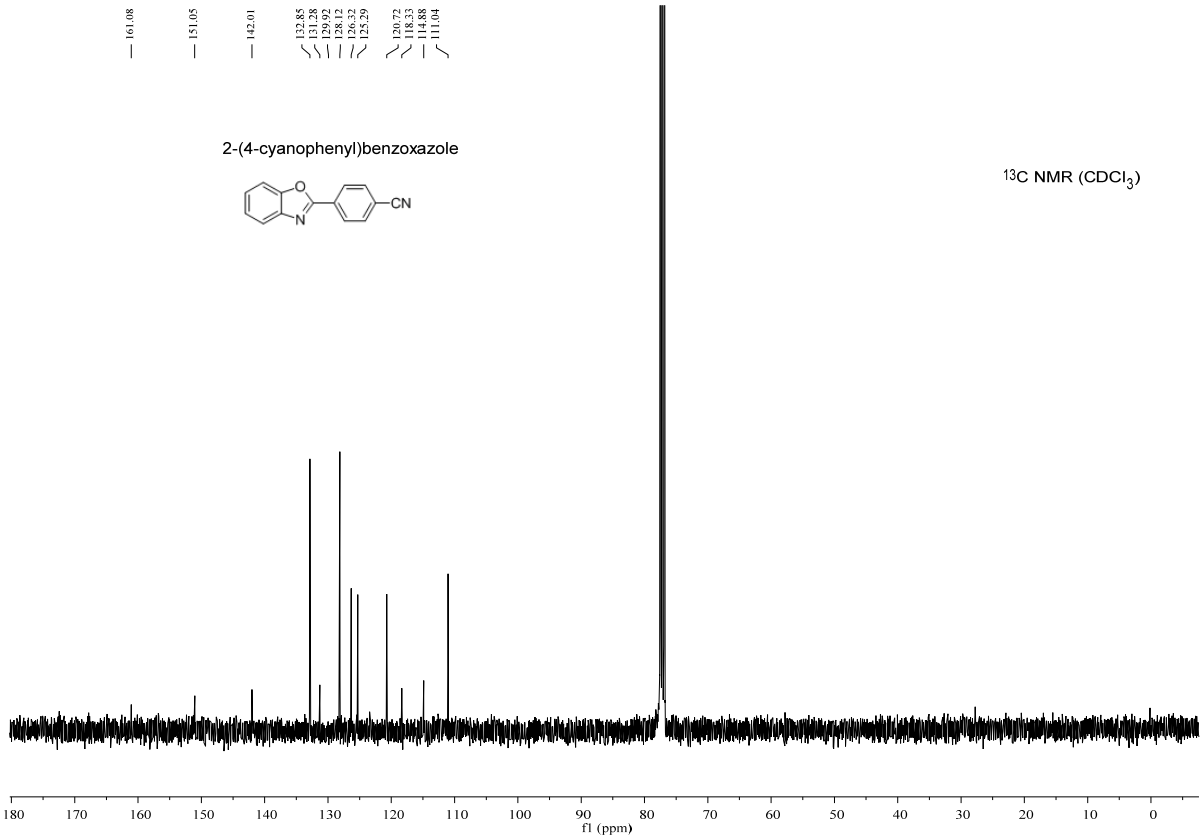

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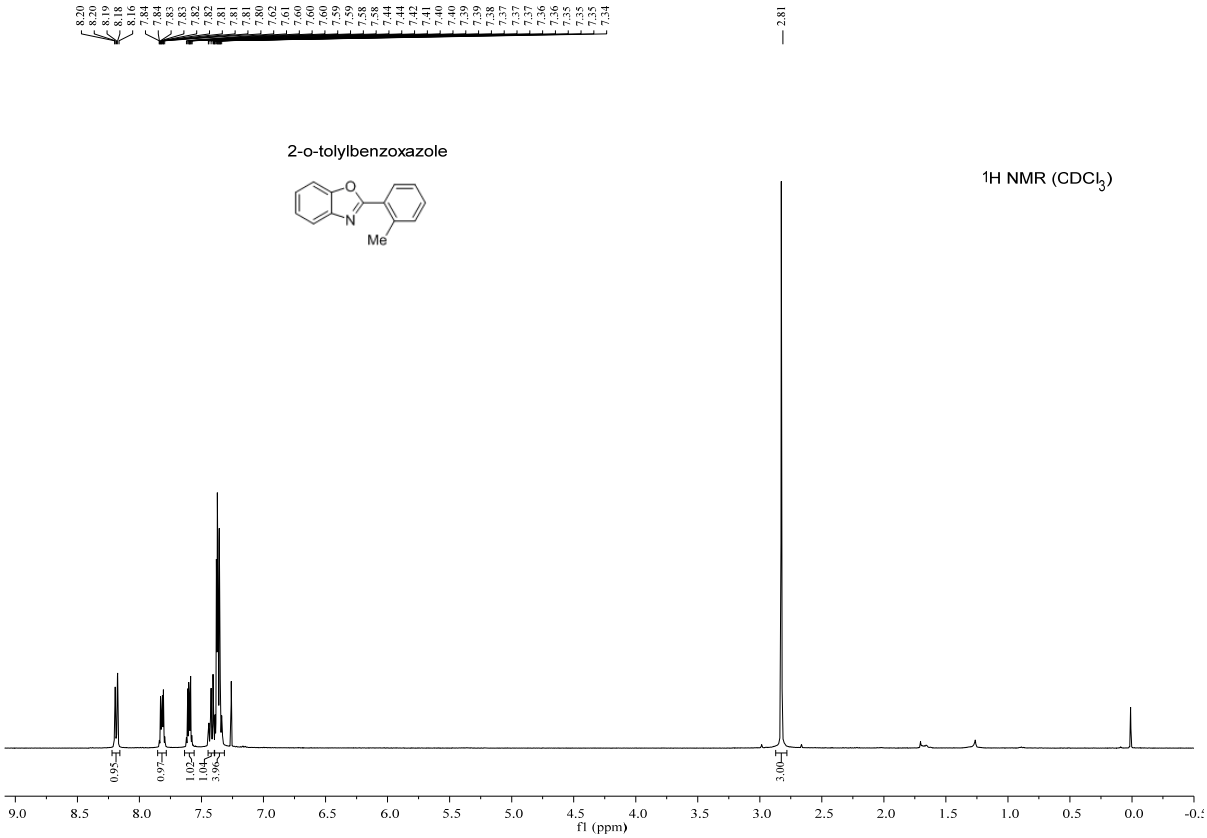
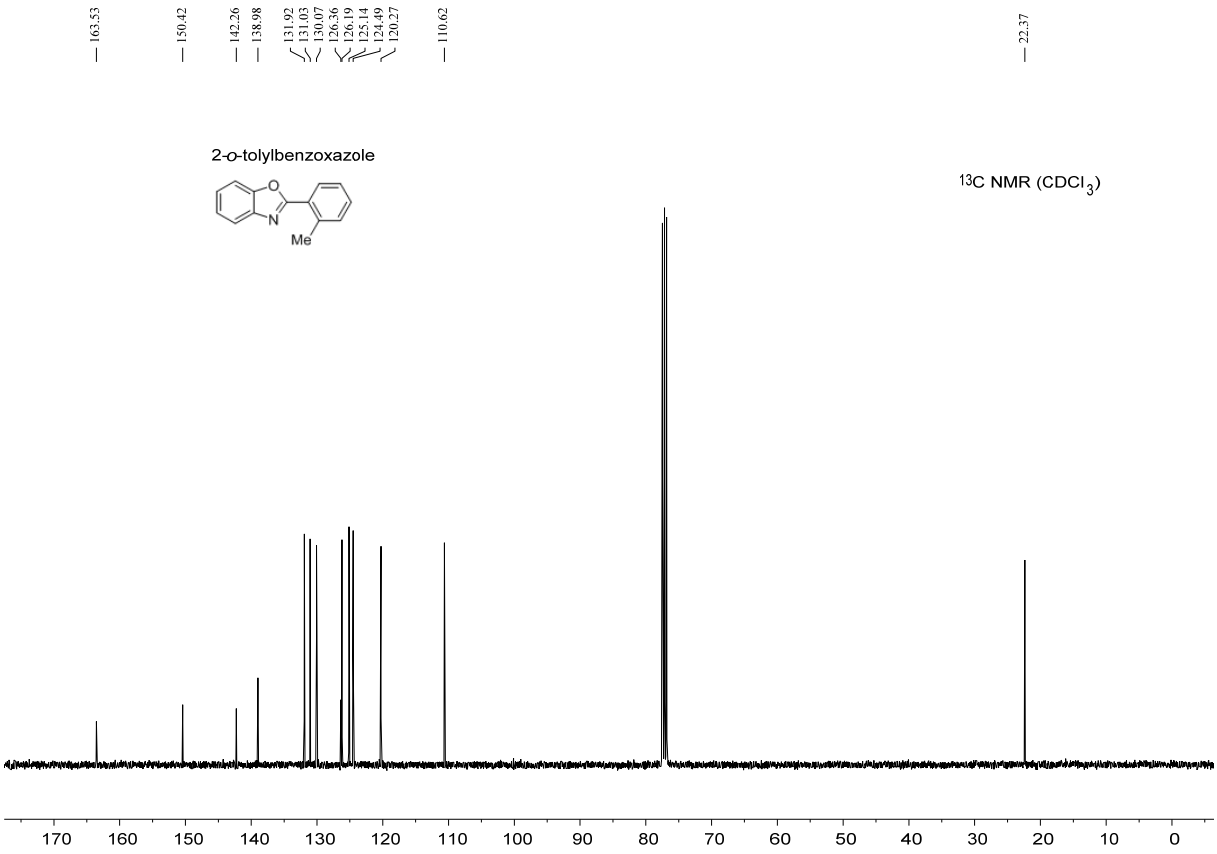
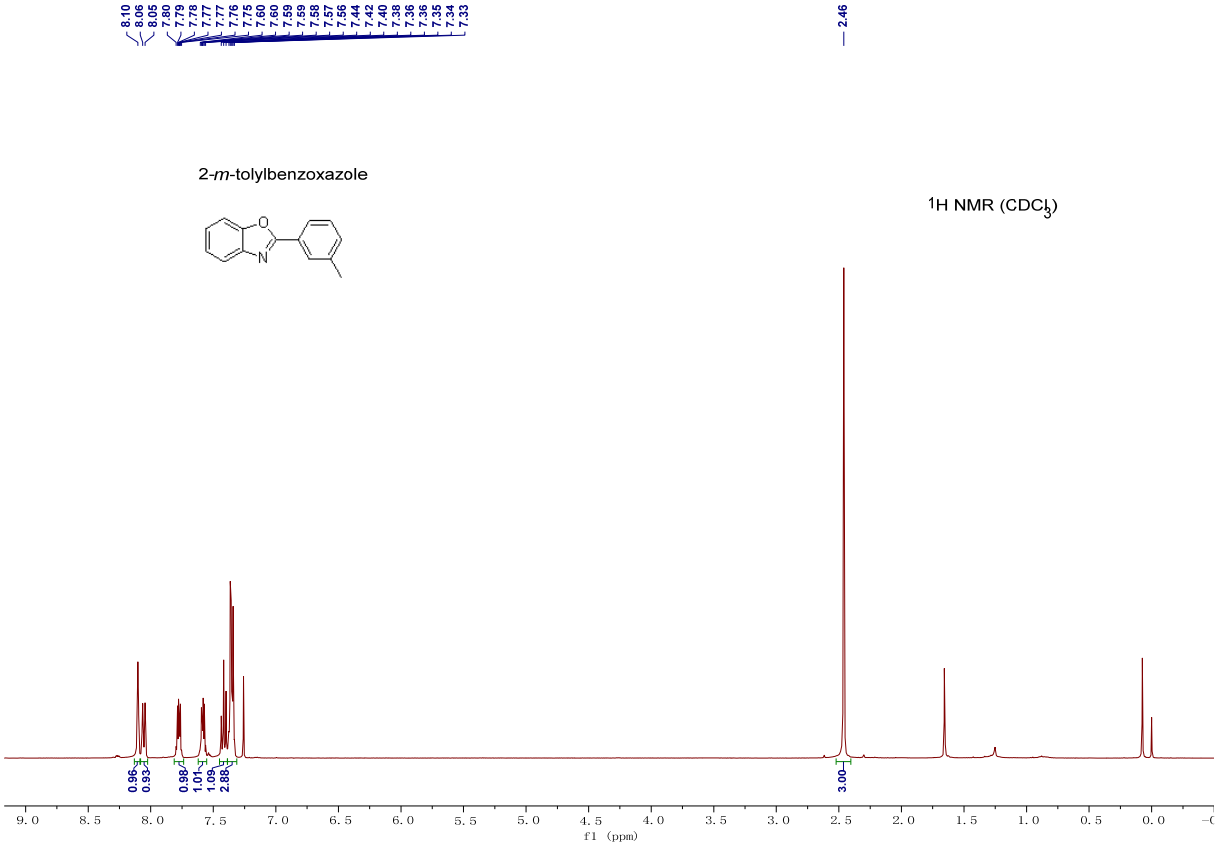
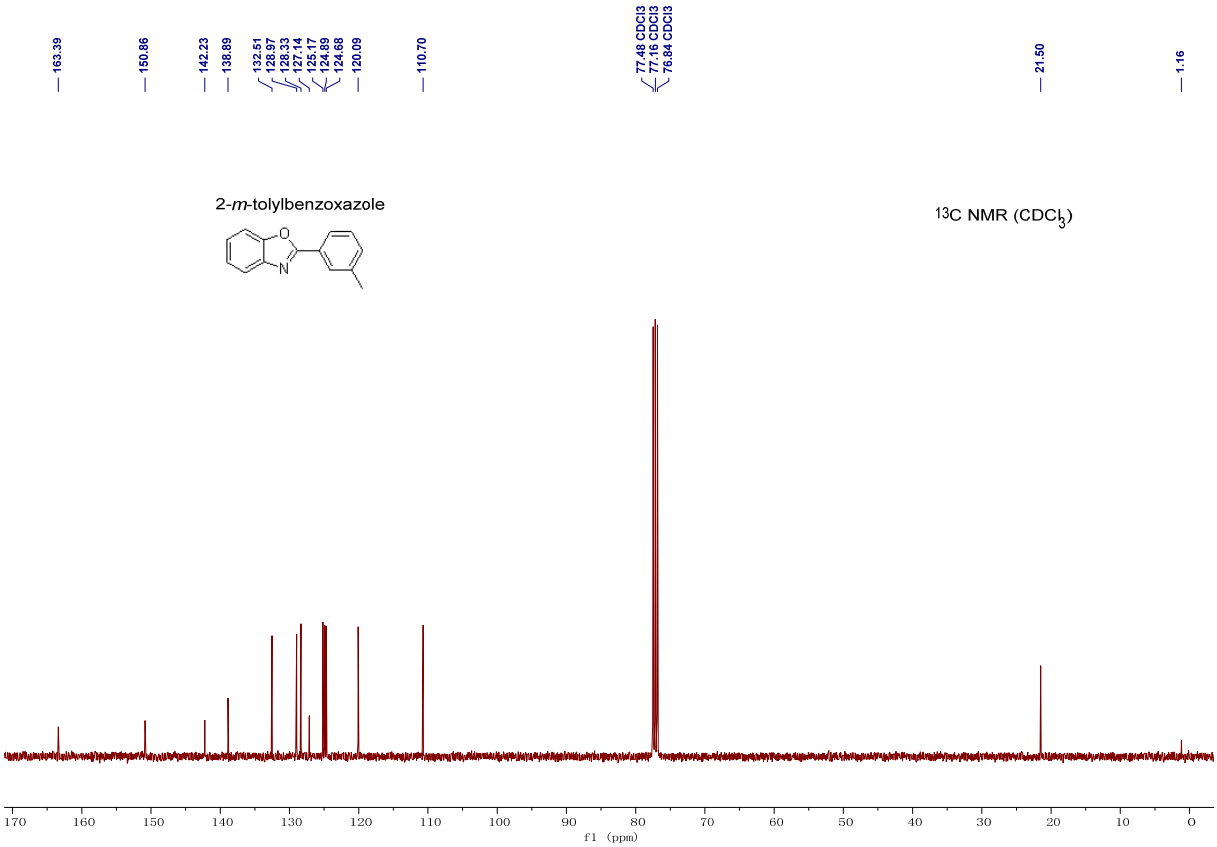


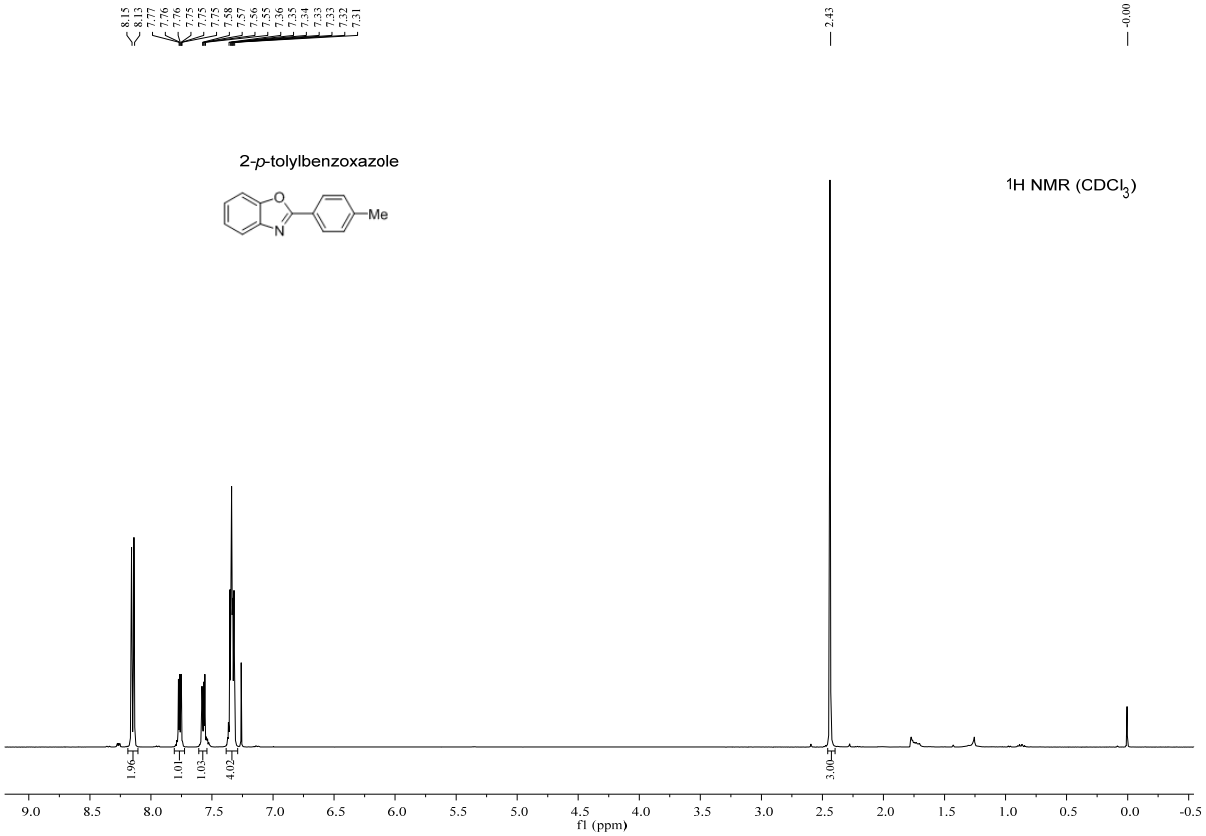


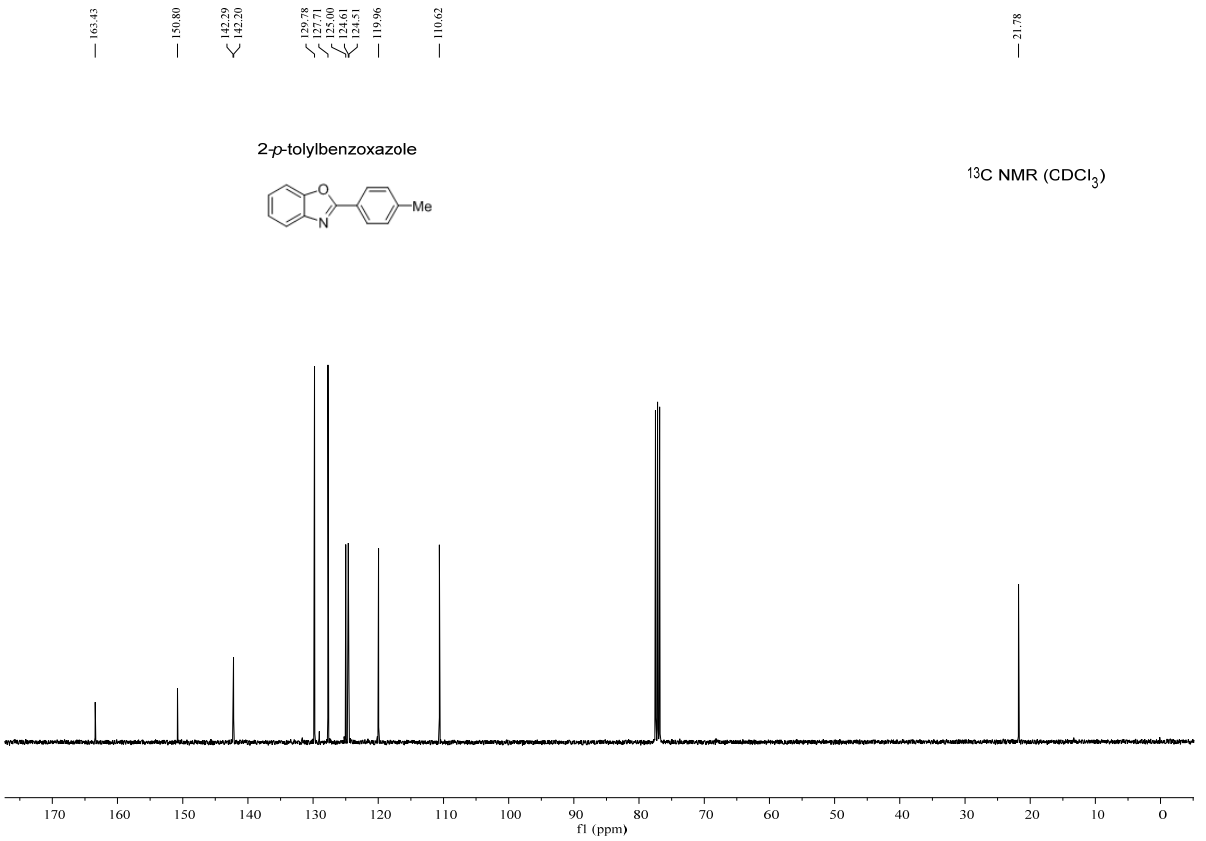
(11) 2-*m*-tolylbenzoxazole (**3k**)



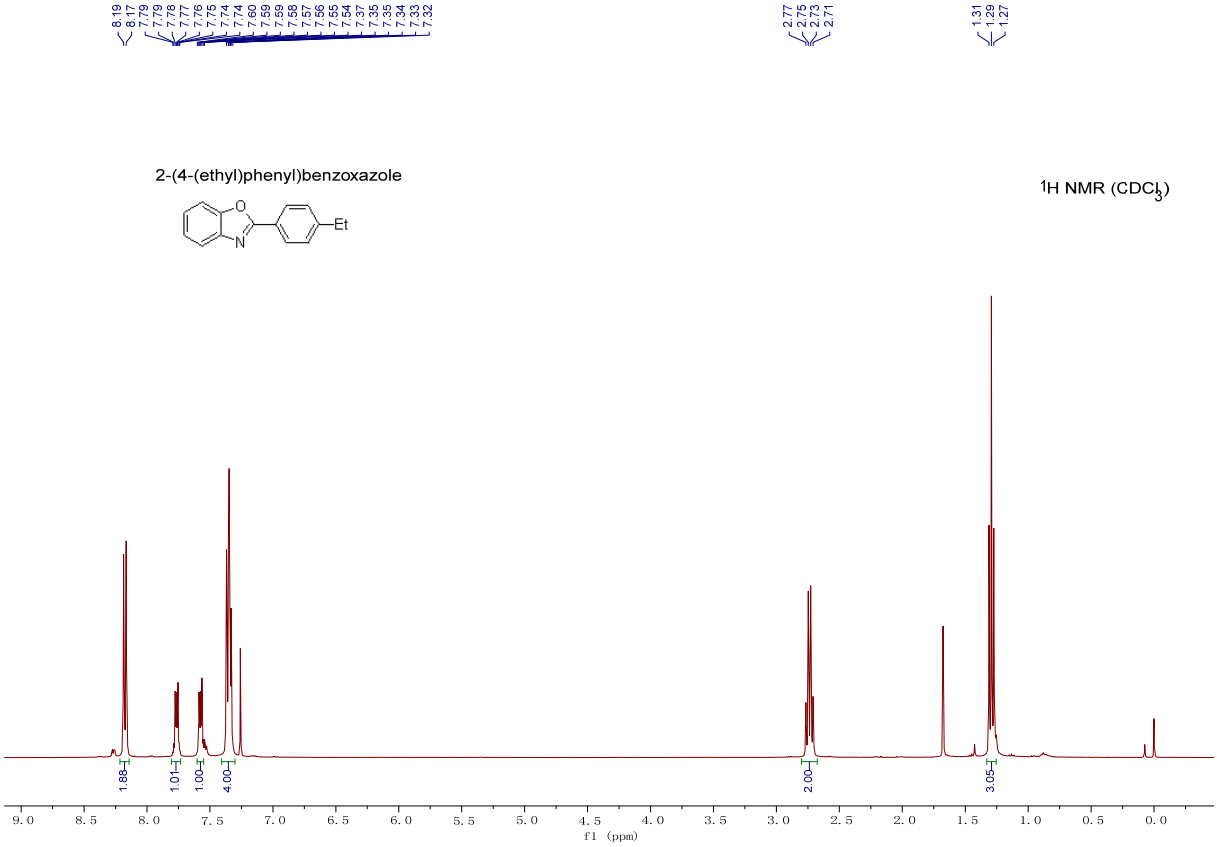


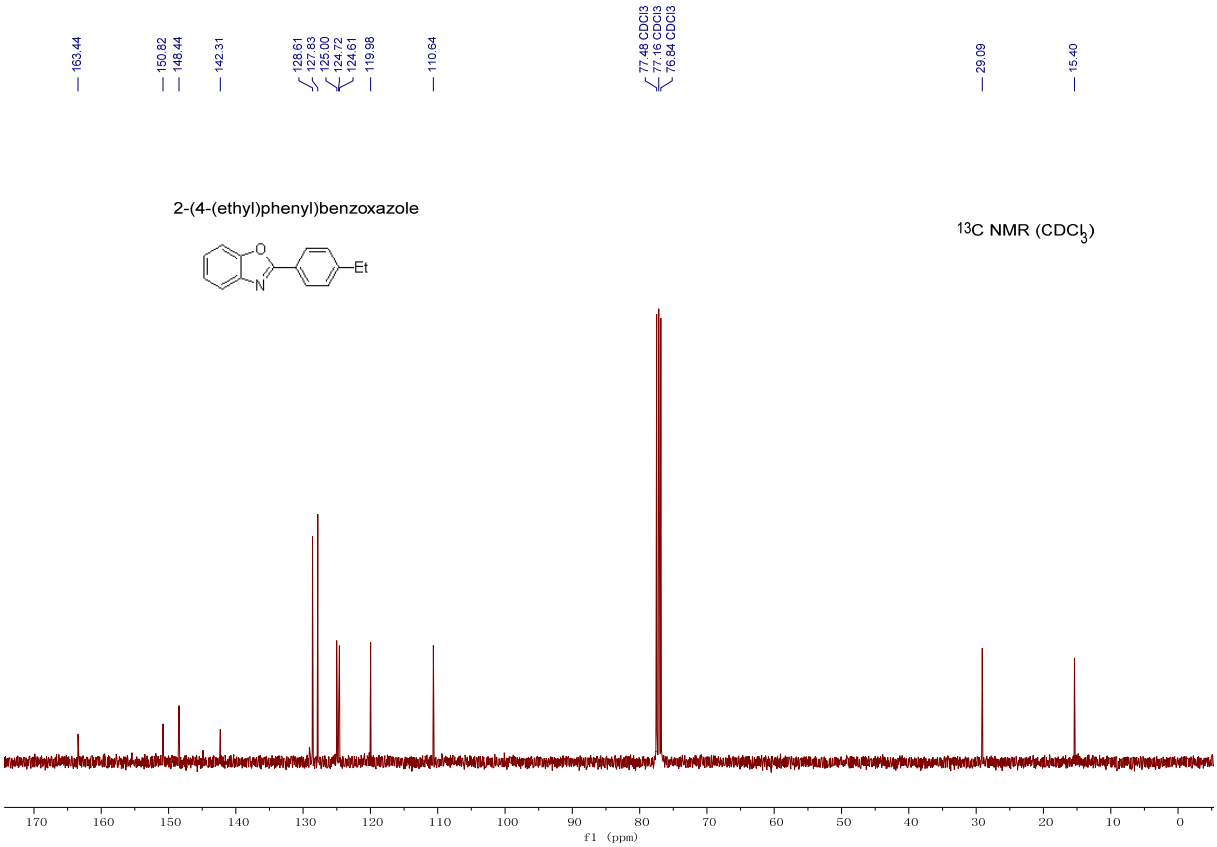
(12) 2-*p*-tolylbenzoxazole (**3l**)



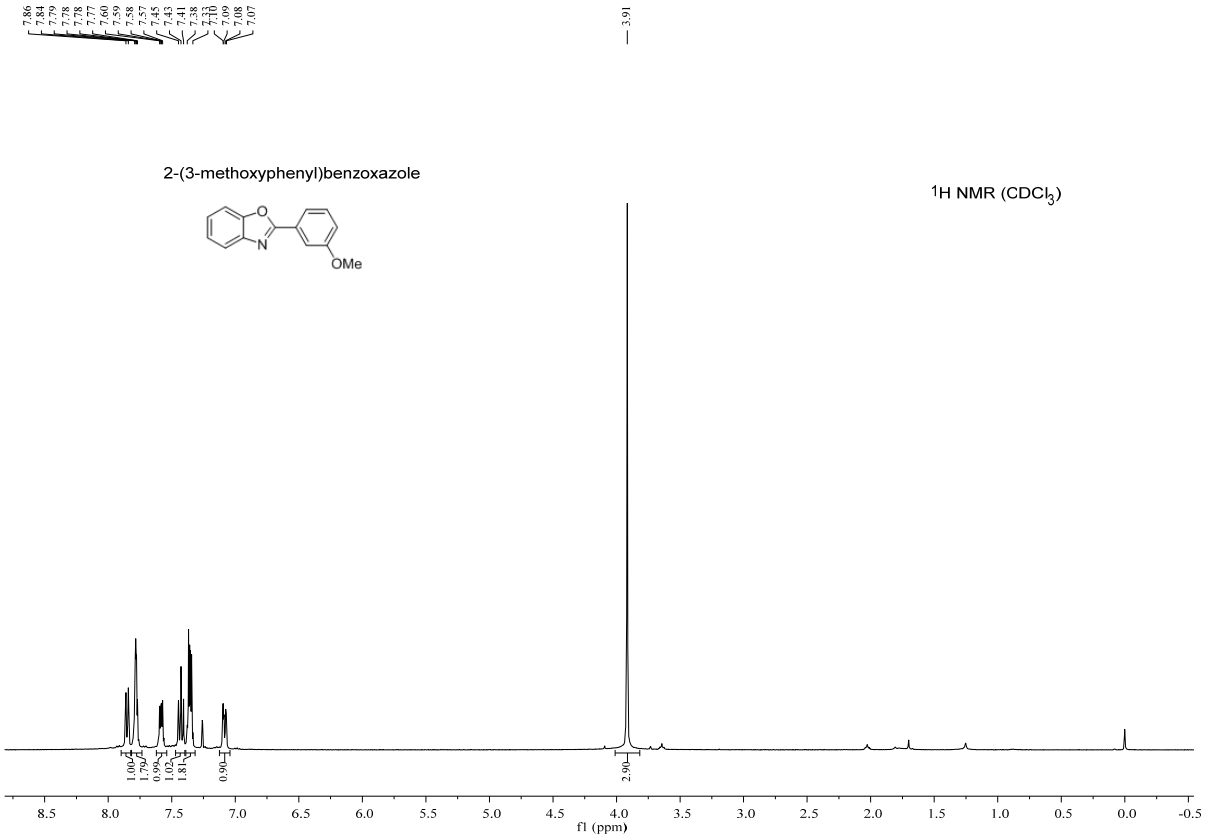


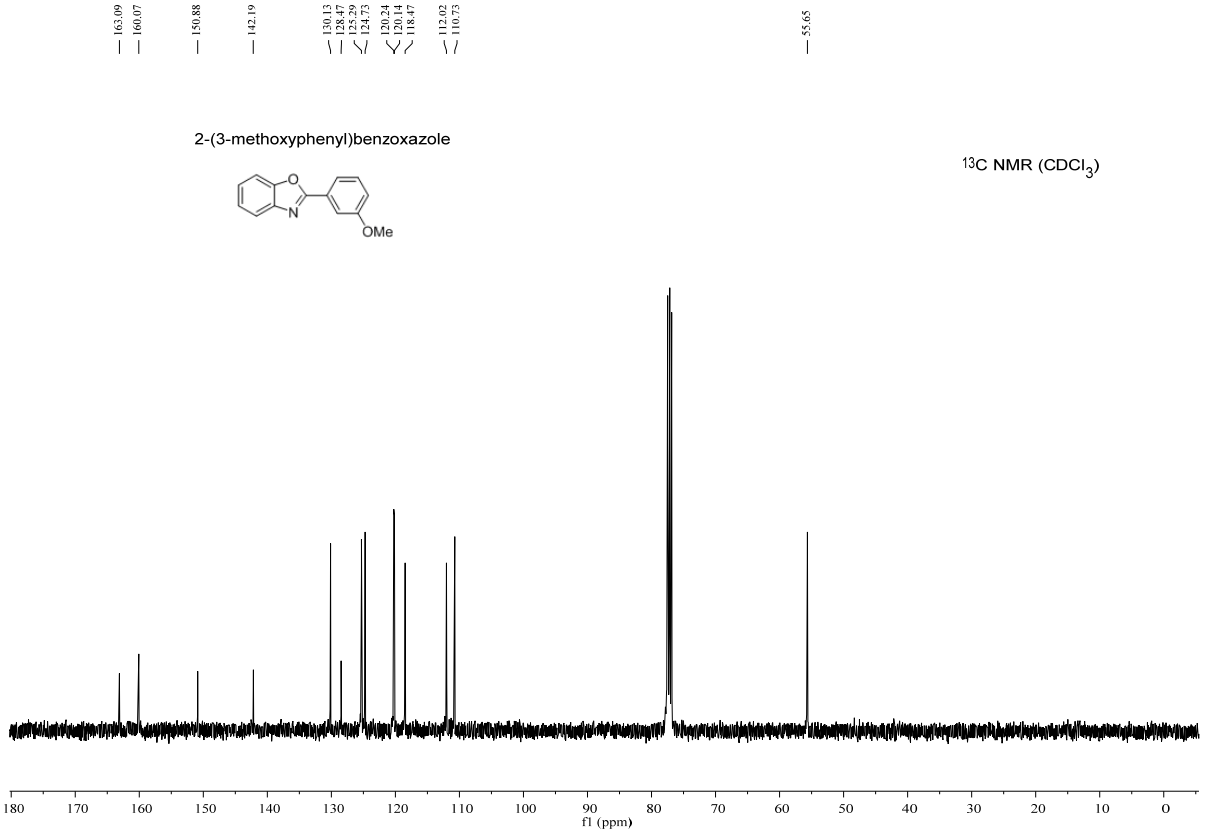
(13) 2-(4-(ethyl)phenyl)benzoxazole (**3m**)





(14) 2-(3-methoxyphenyl)benzoxazole (**3n**)





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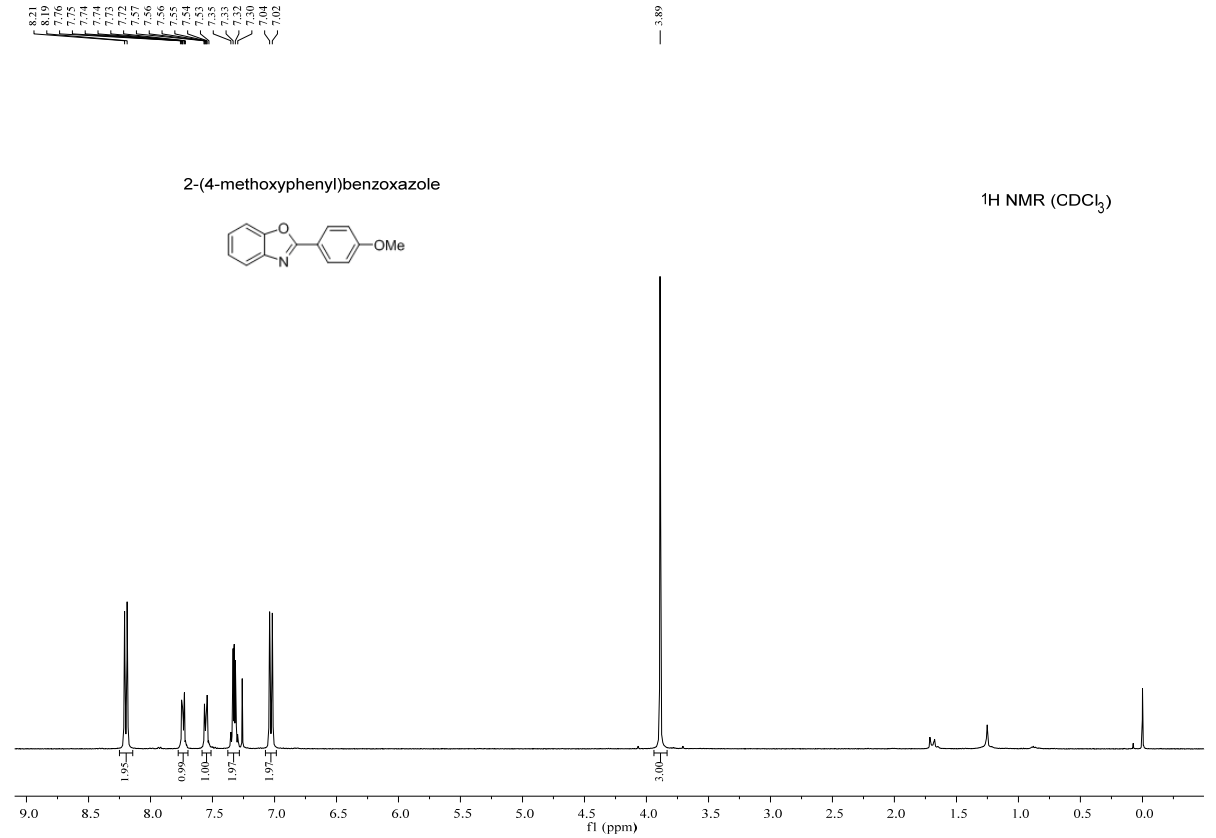
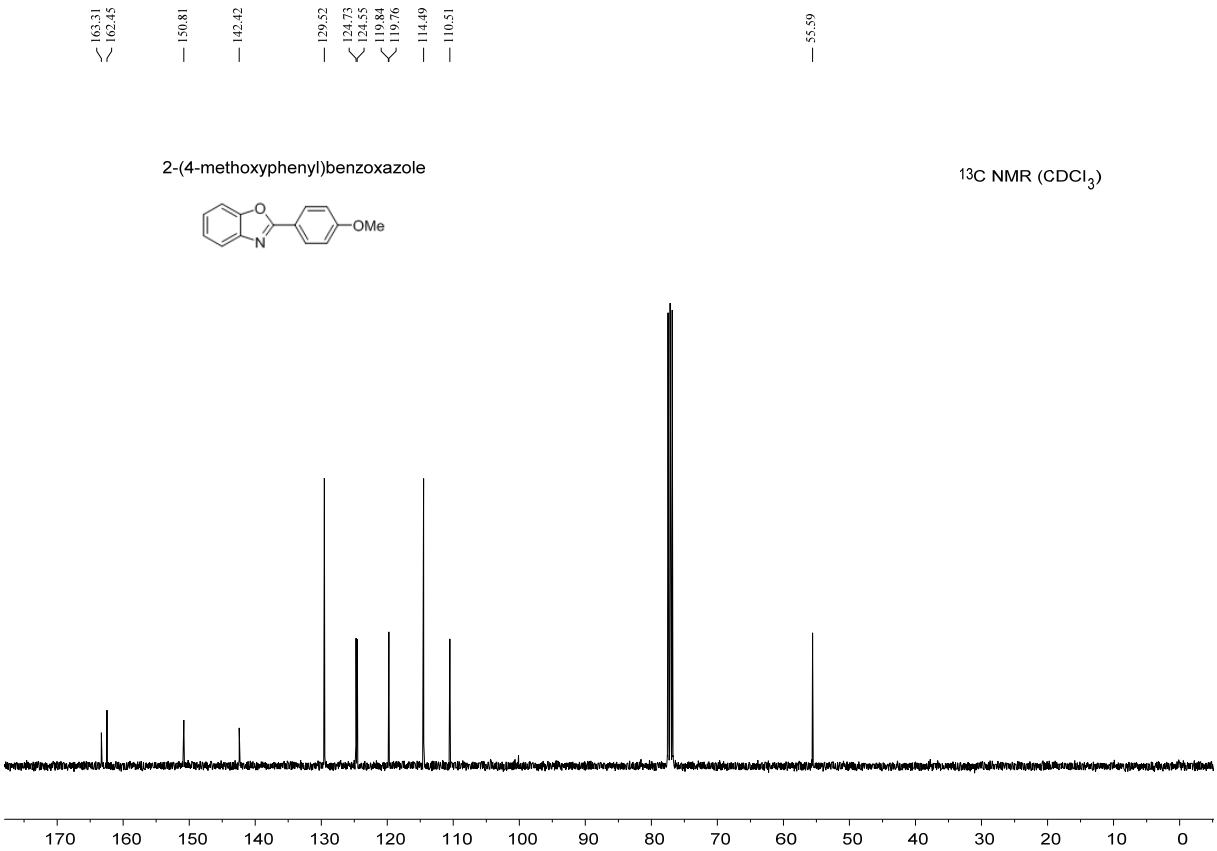
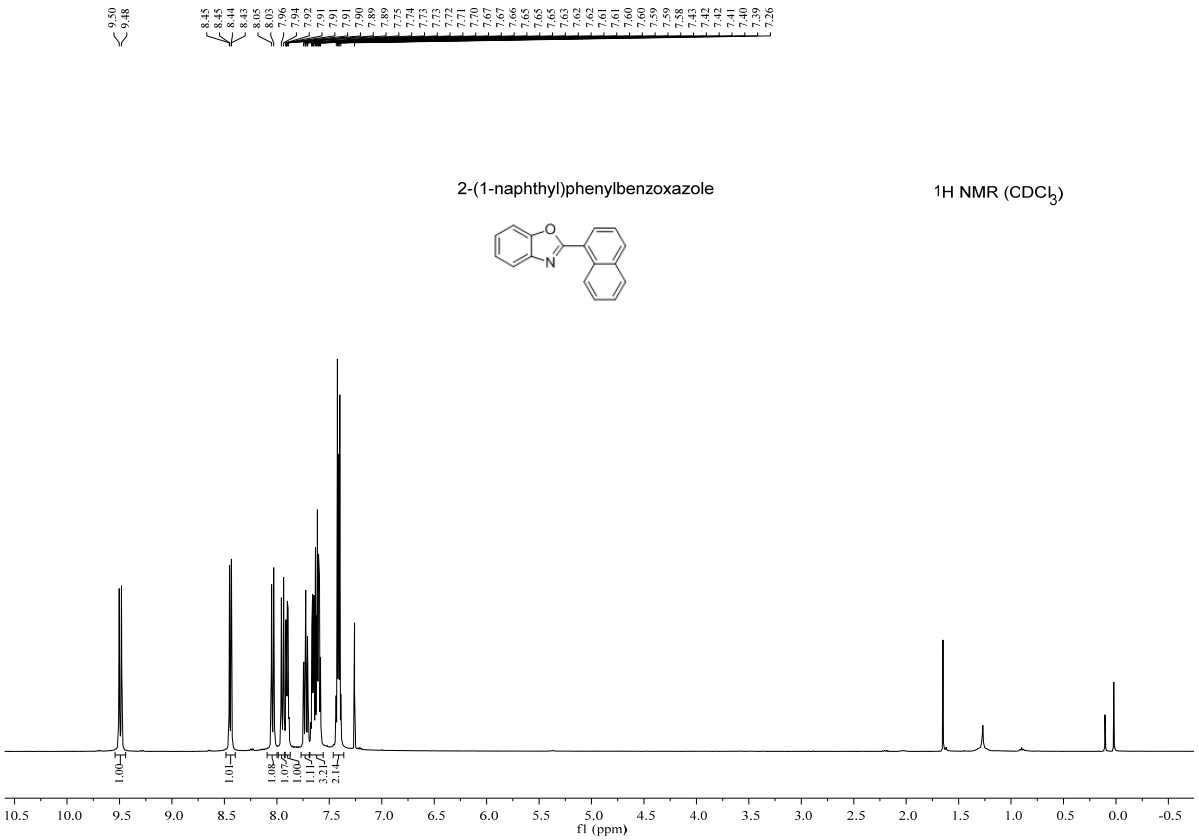
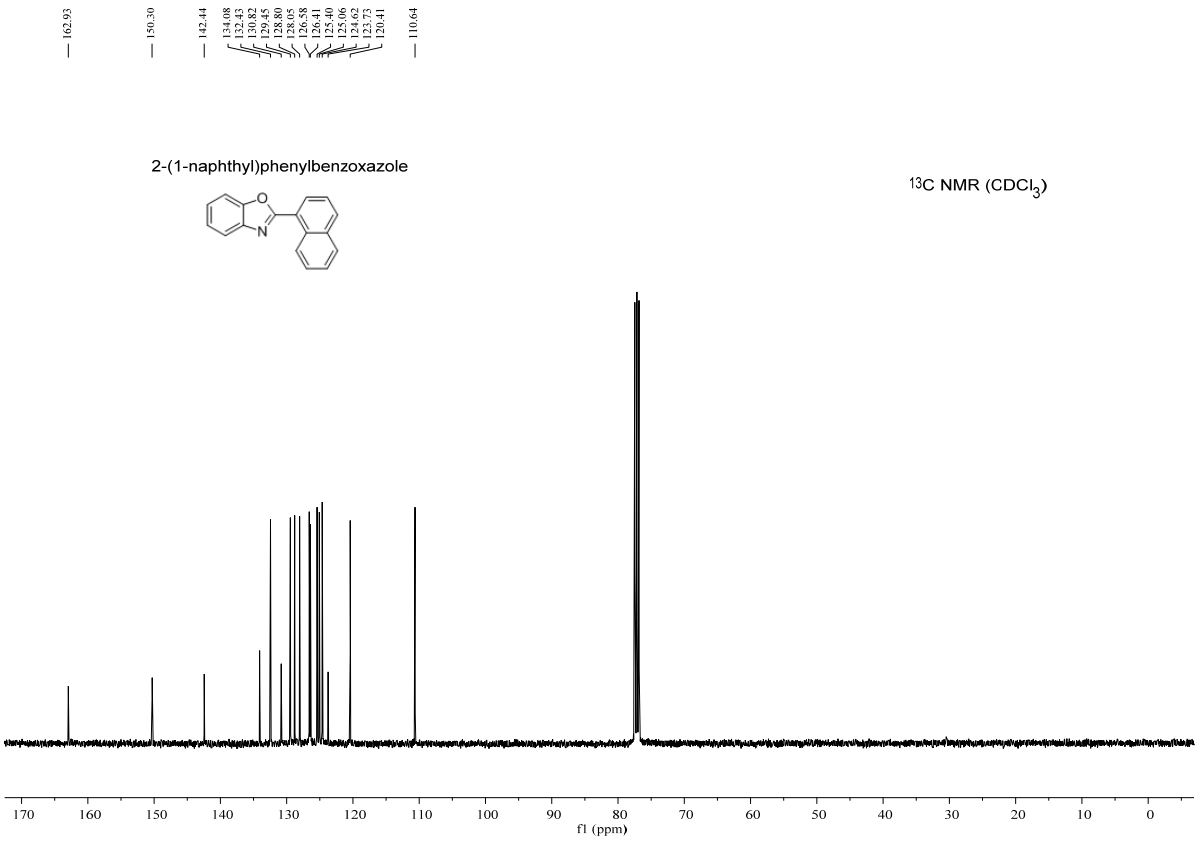


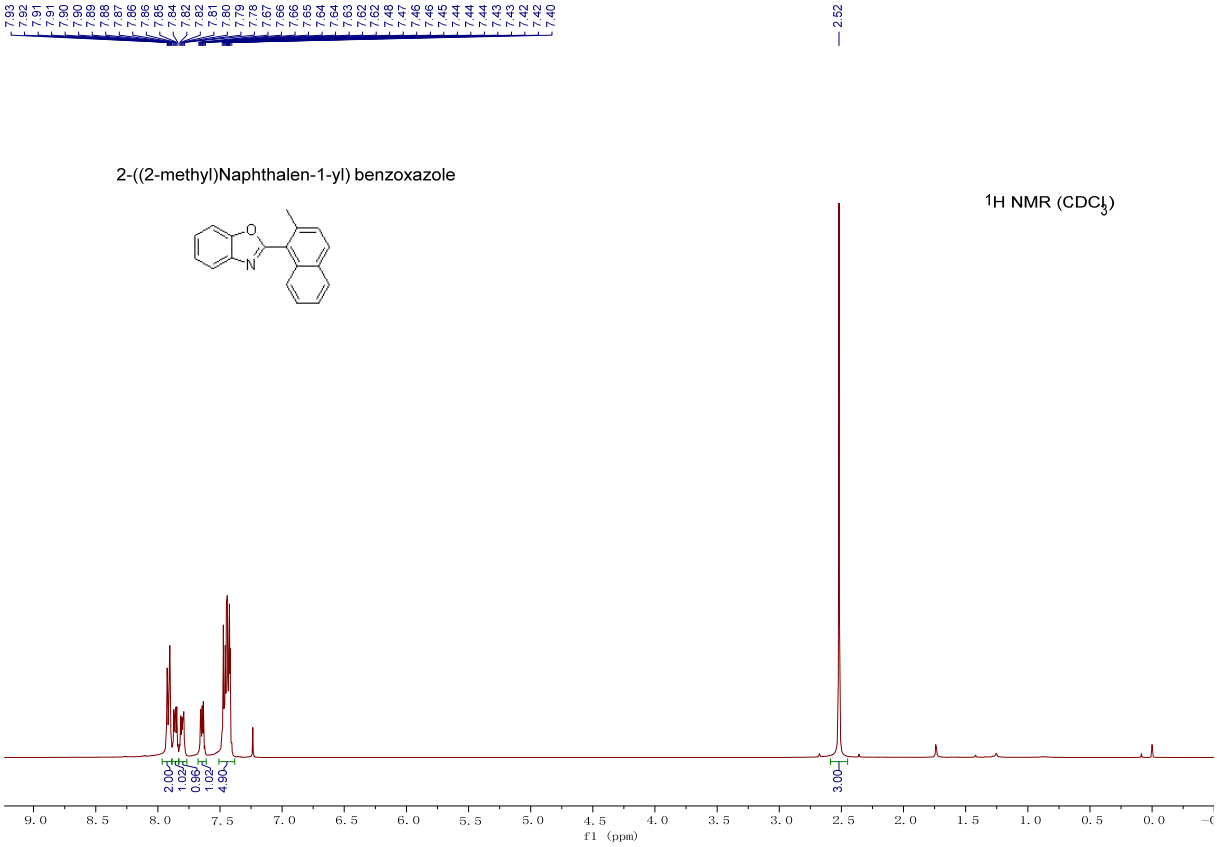


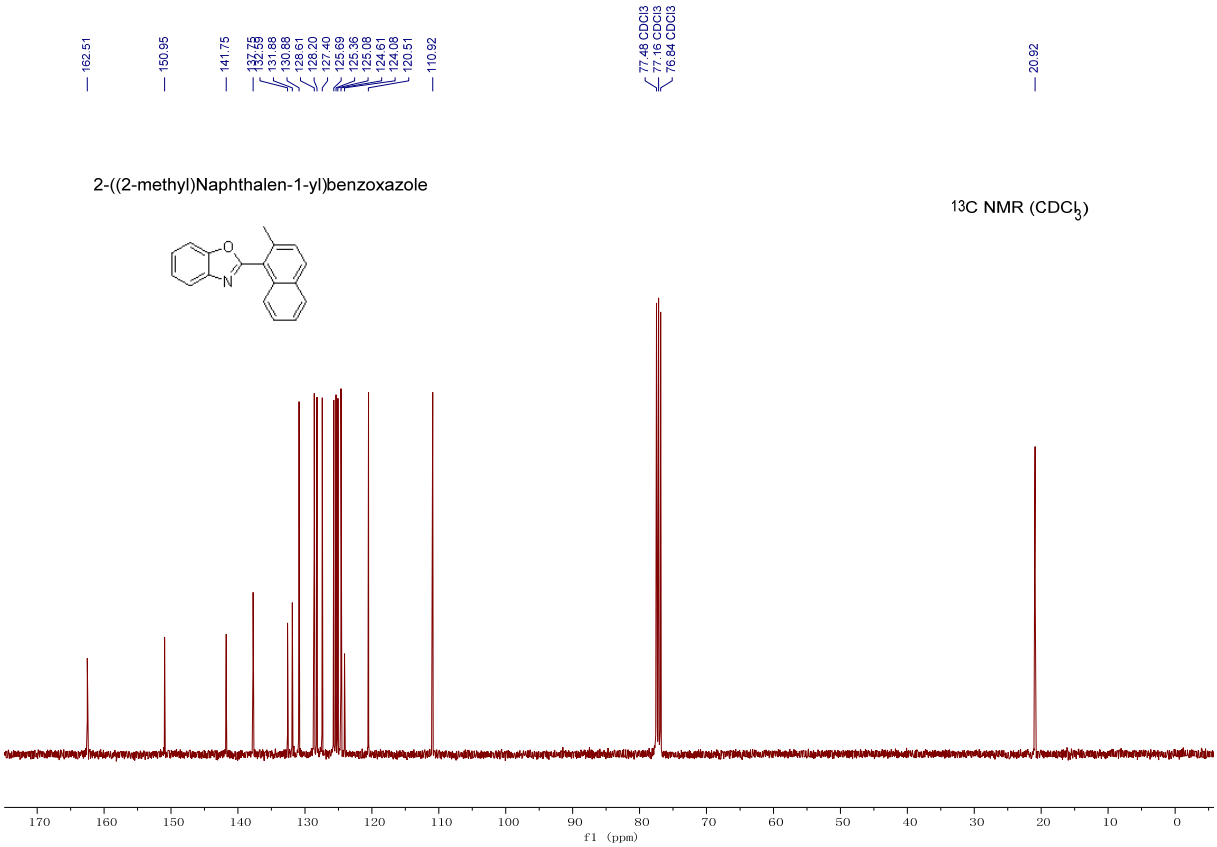
(16) 2-(1-naphthyl)phenylbenzoxazole (**3p**)





(17) 2-((2-methyl)Naphthalen-1-yl)benzoxazole (**3q**)





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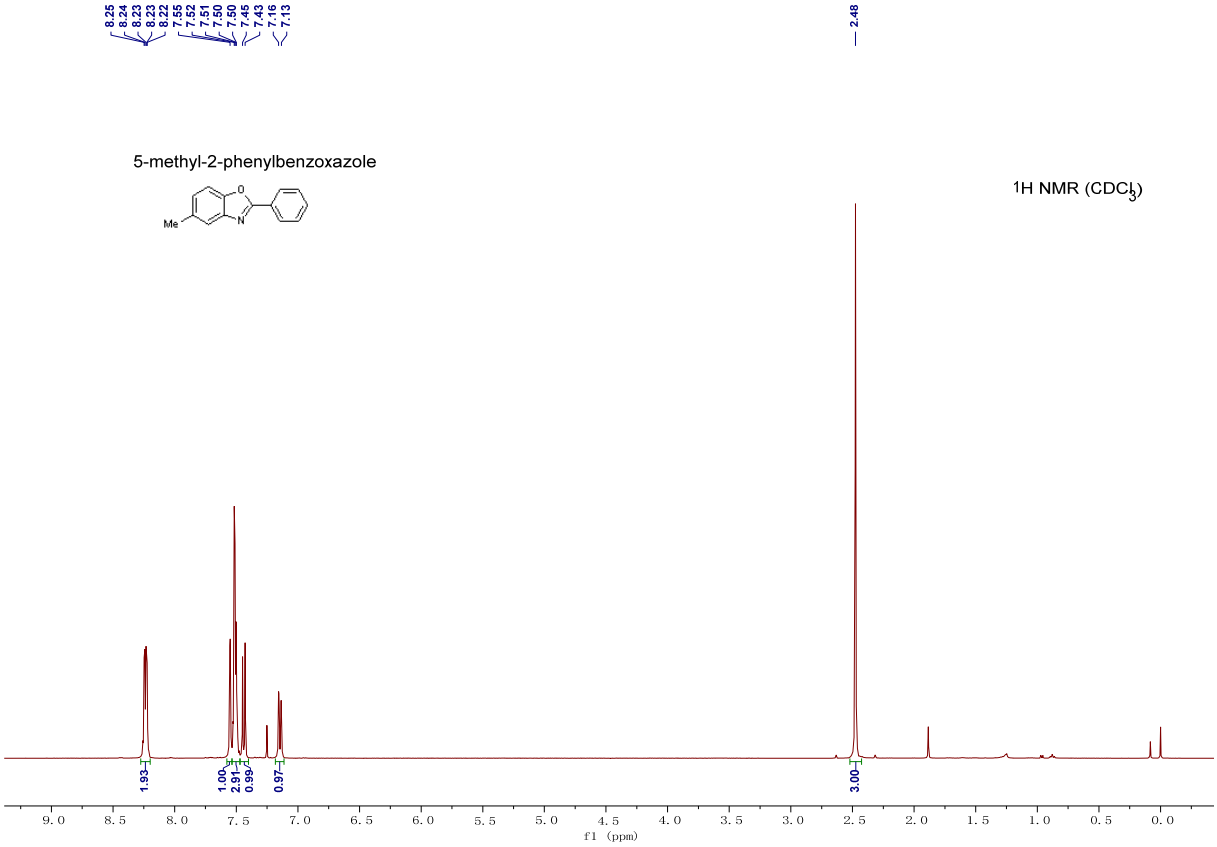

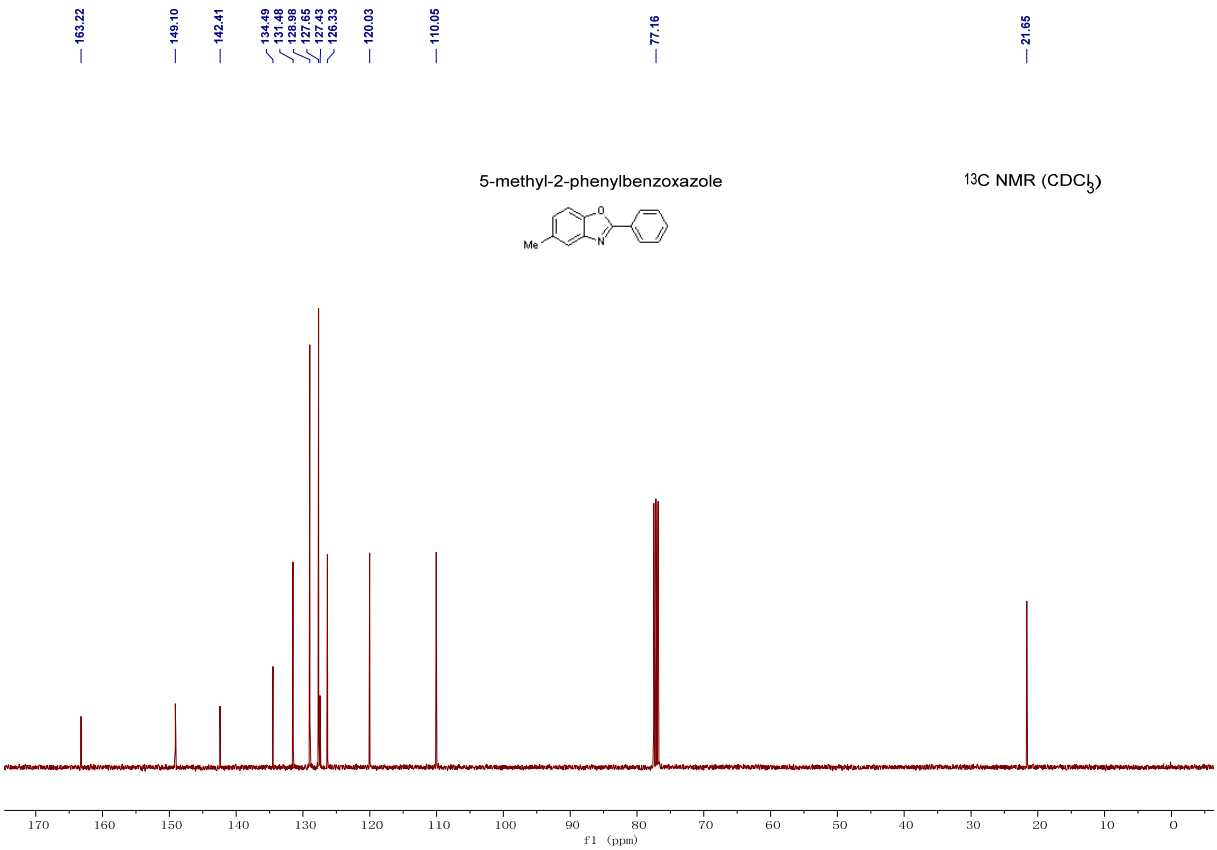

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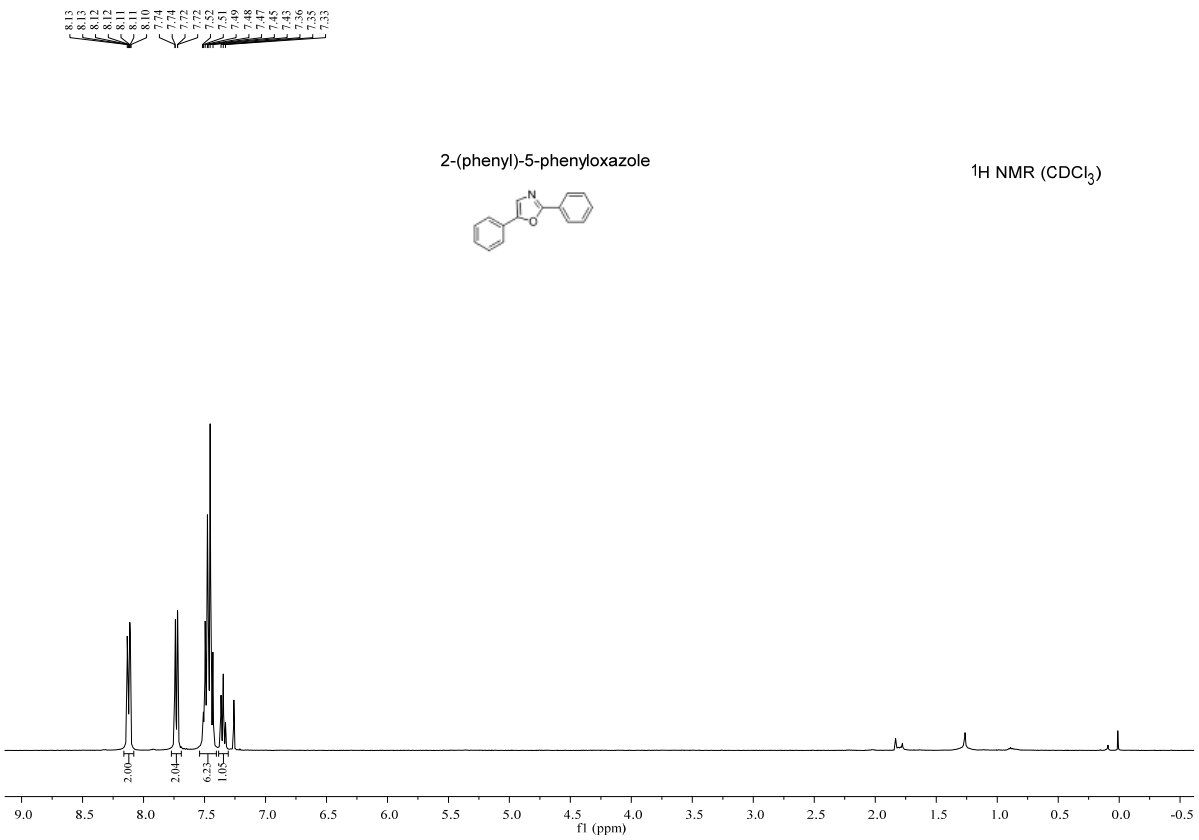

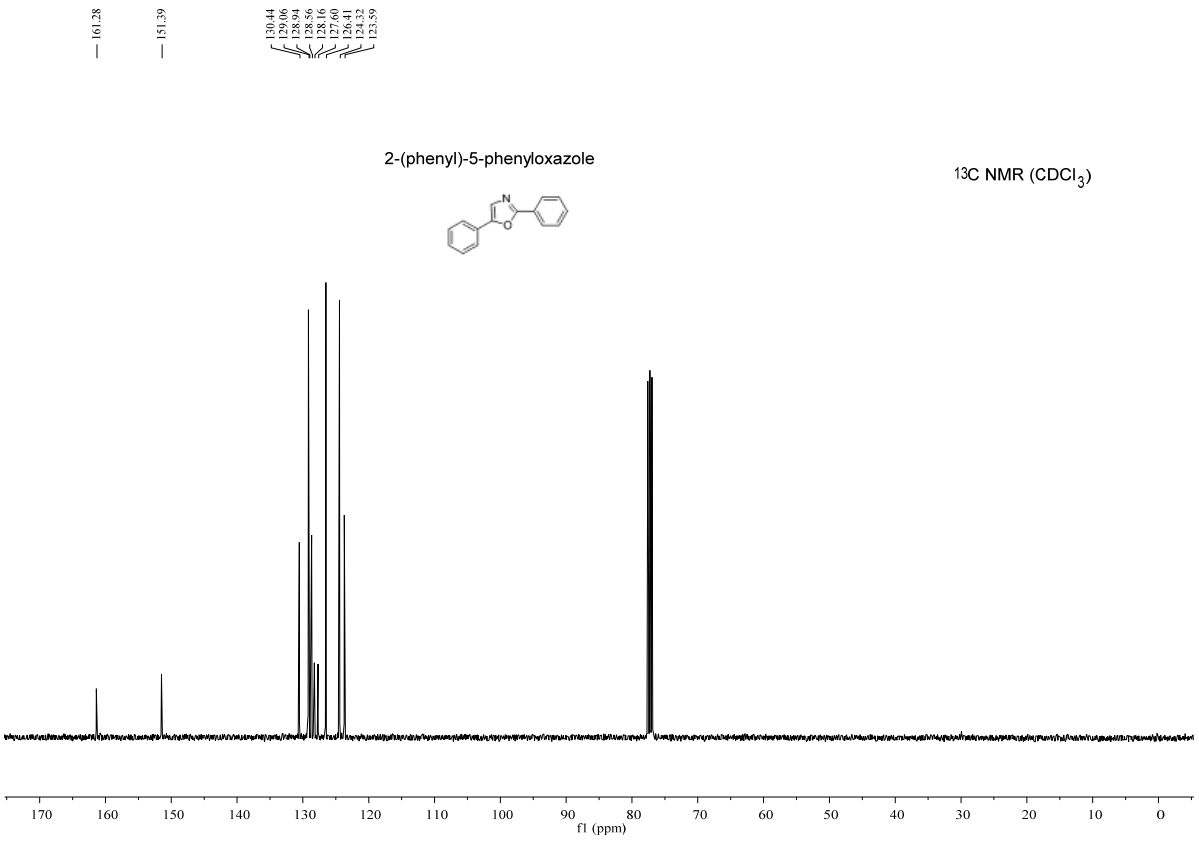

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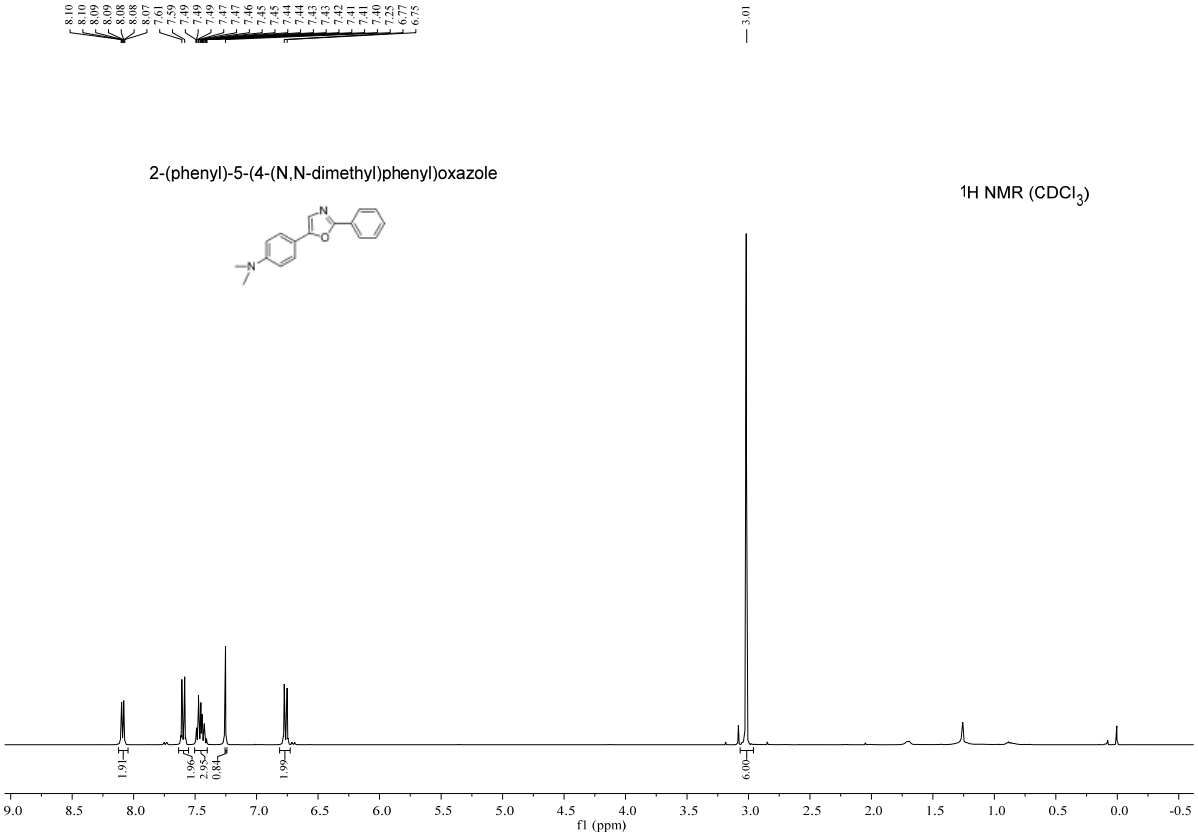
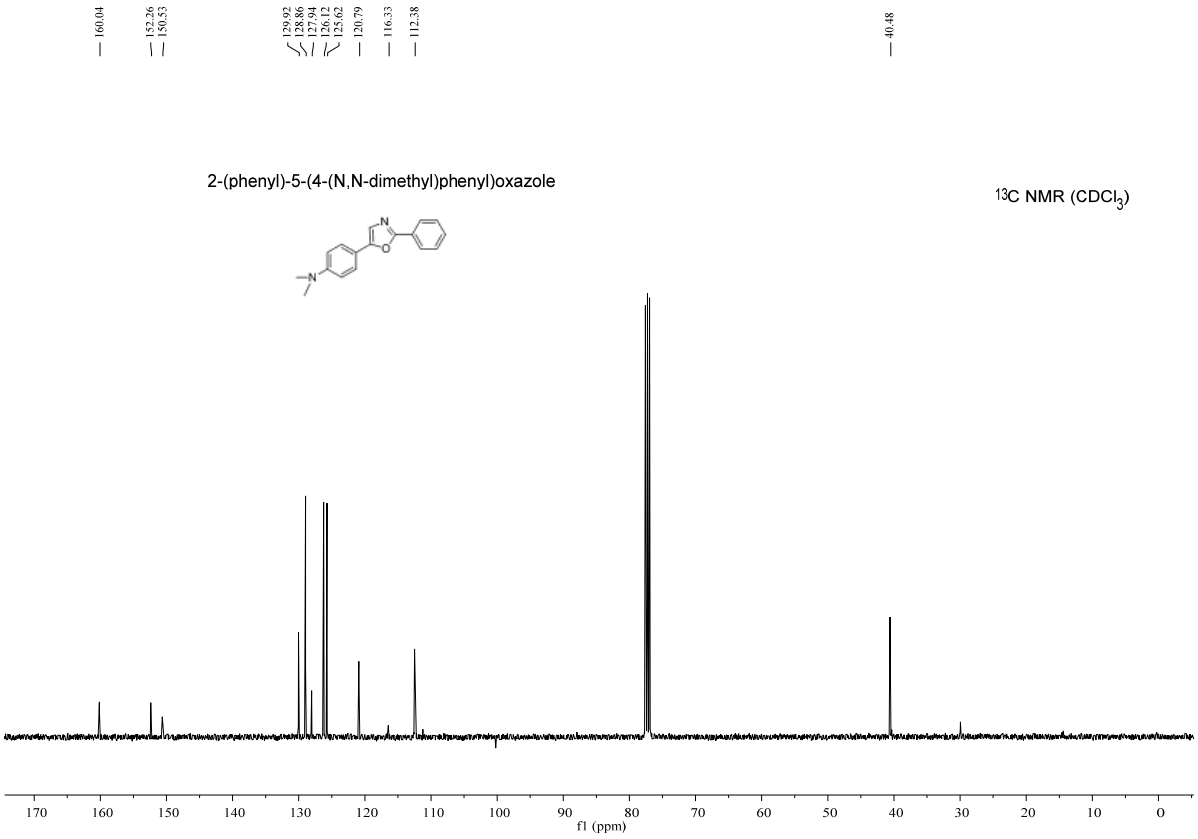
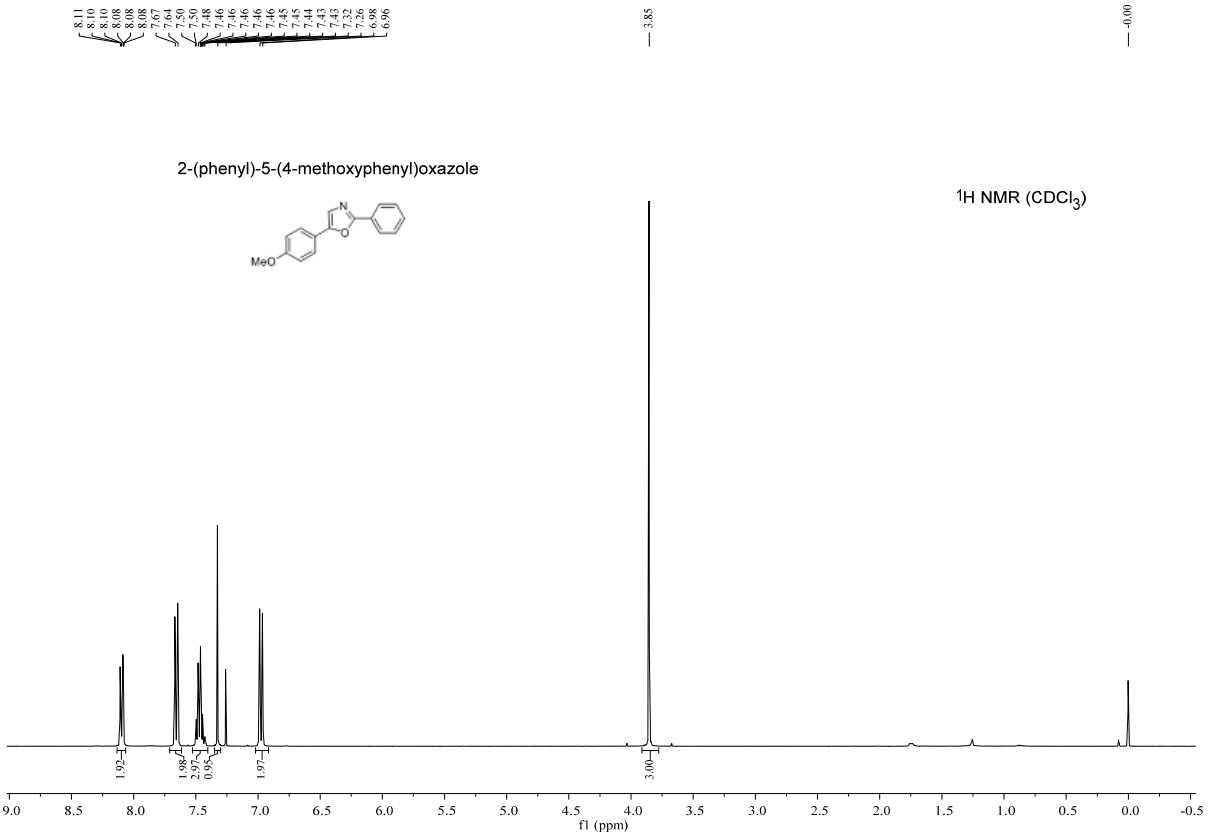
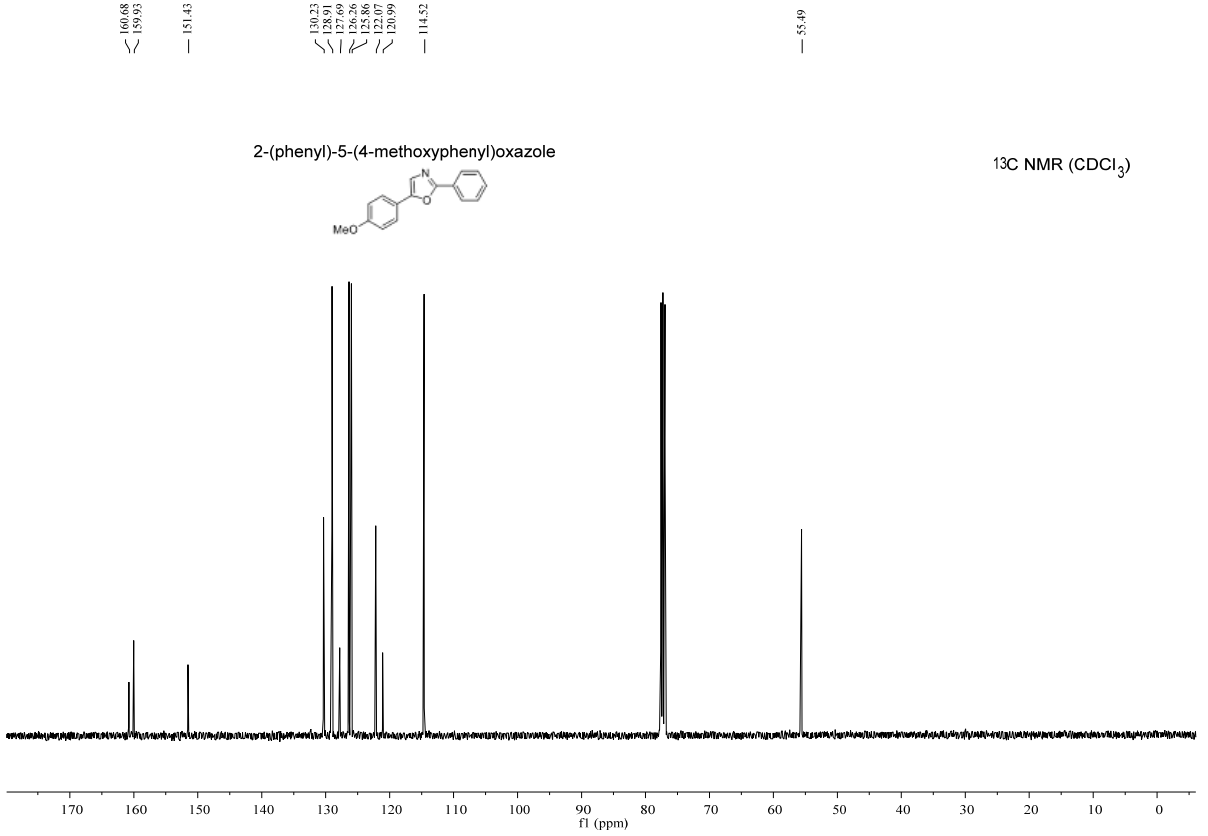


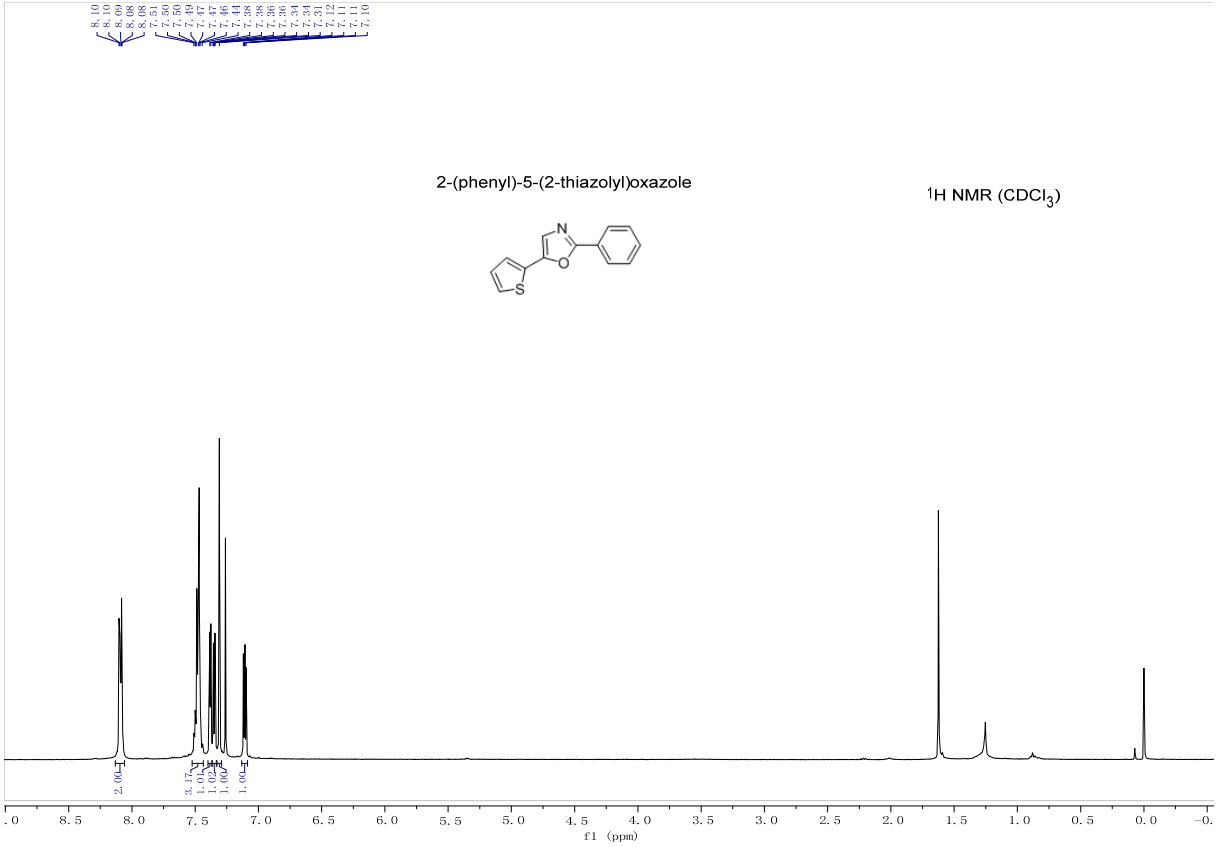


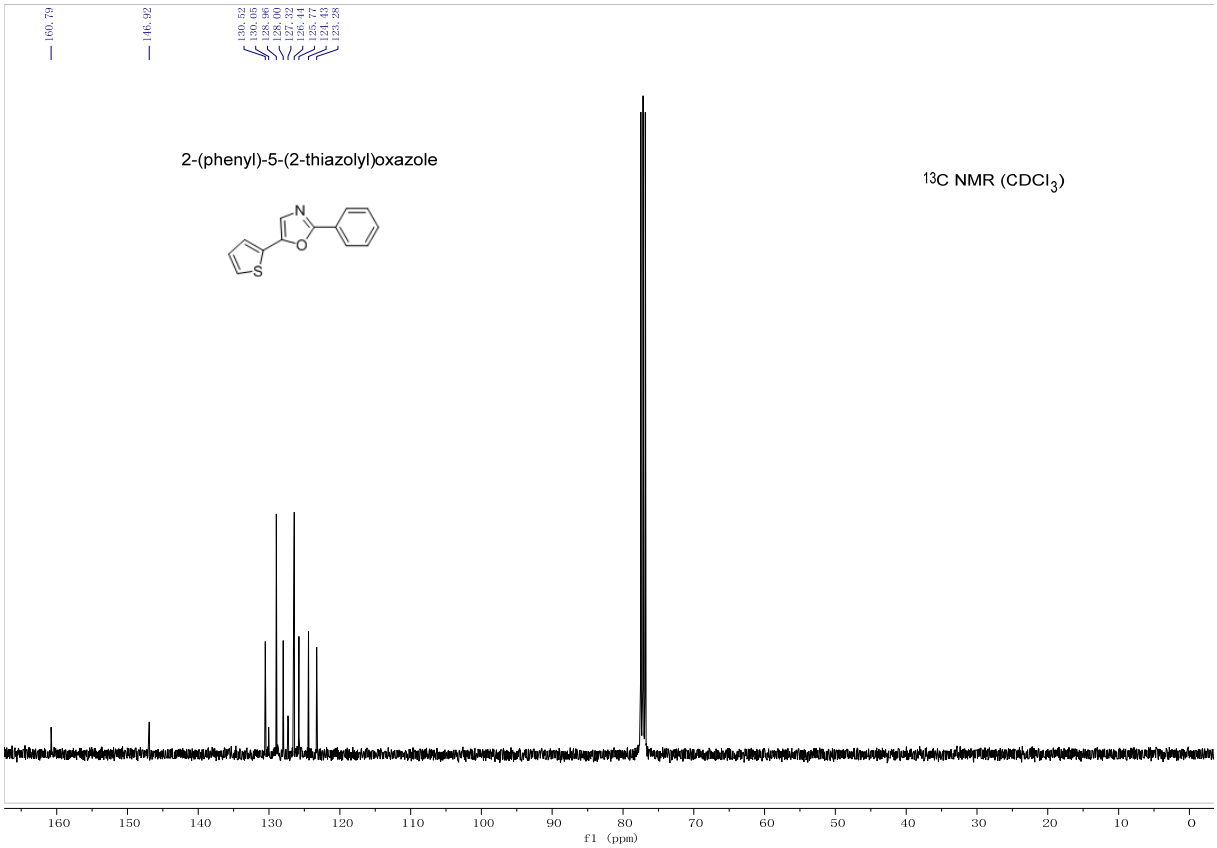
(21) 2-(phenyl)-5-(4-methoxyphenyl)oxazole (**4c**)



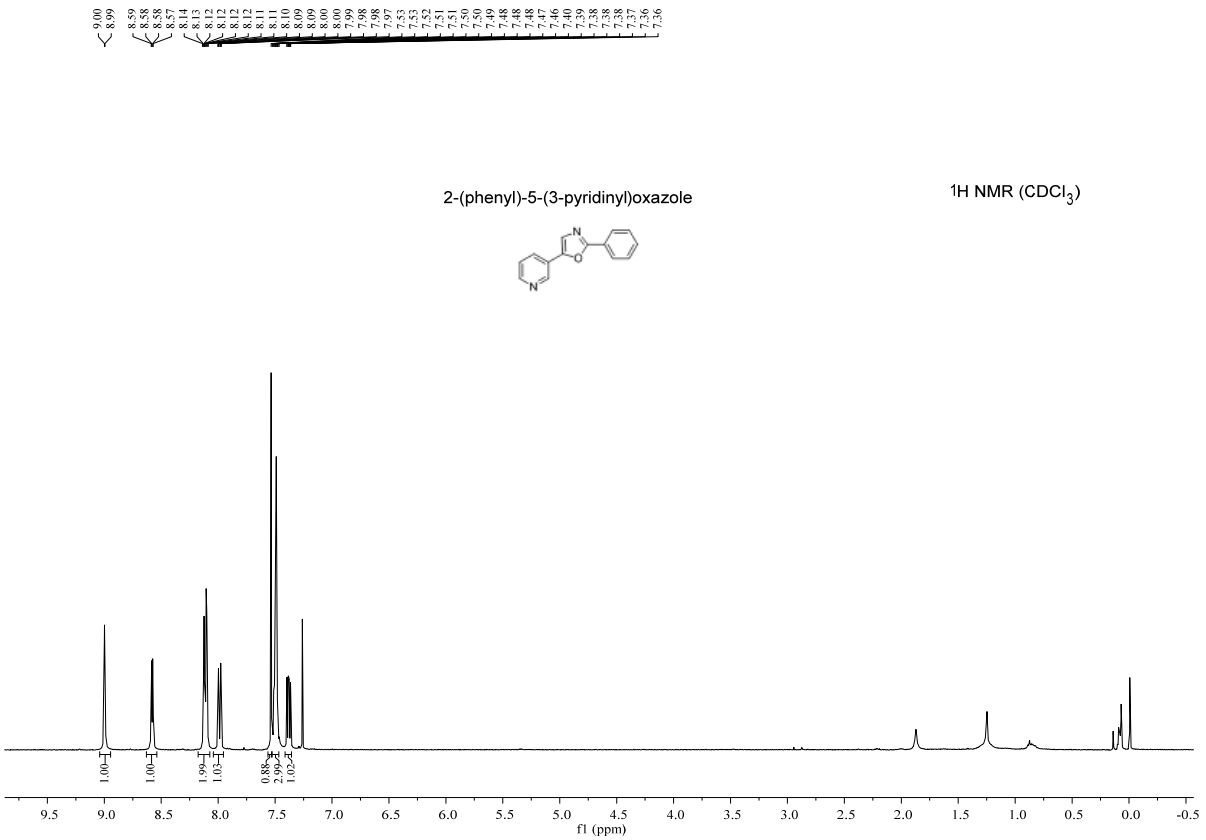


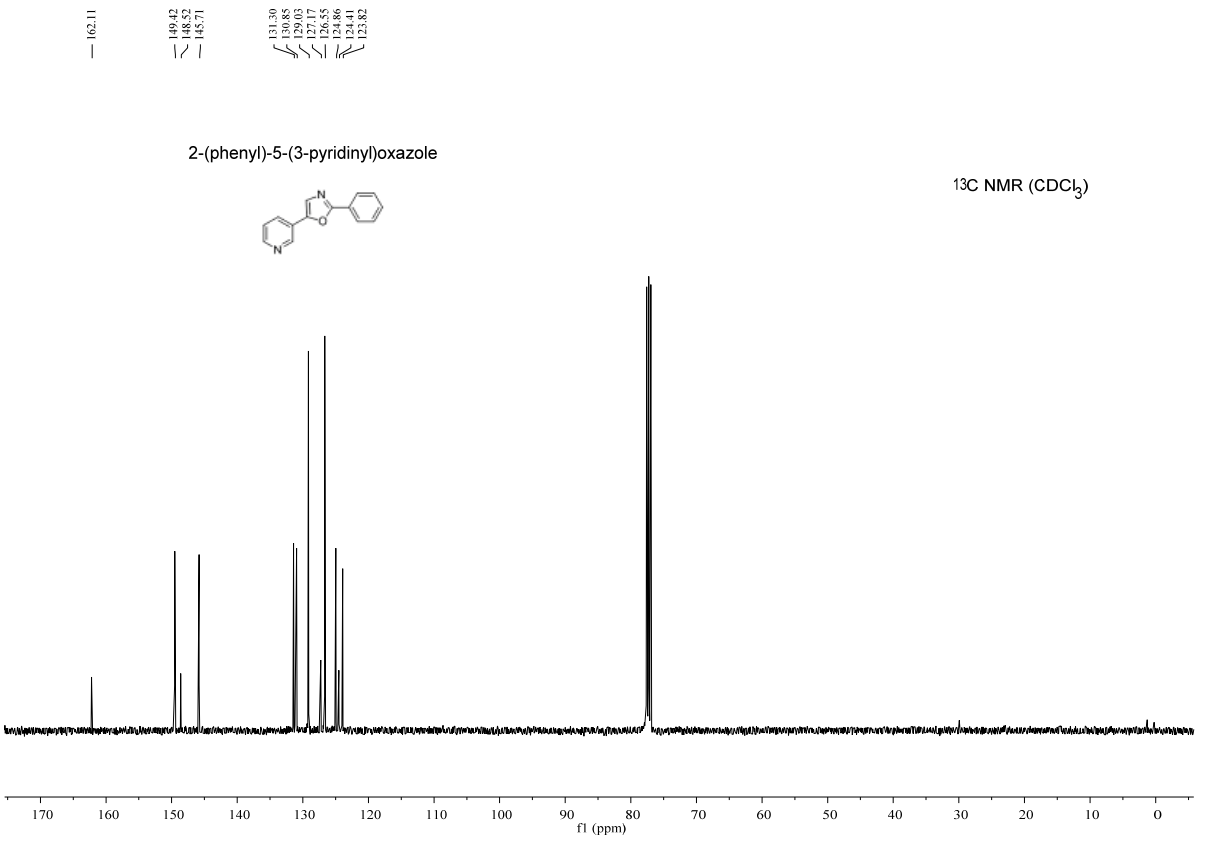
(22) 2-(phenyl)-5-(2-thiazolyl)oxazole (**4d**)



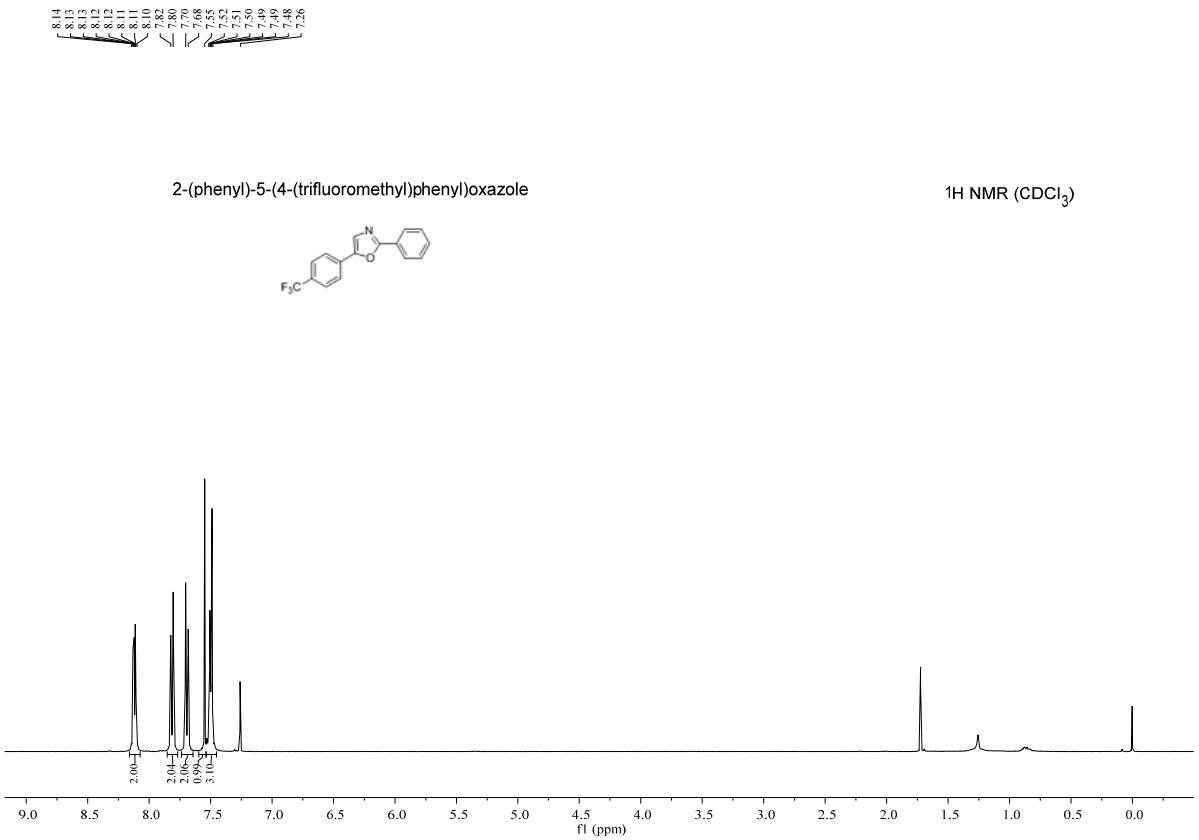


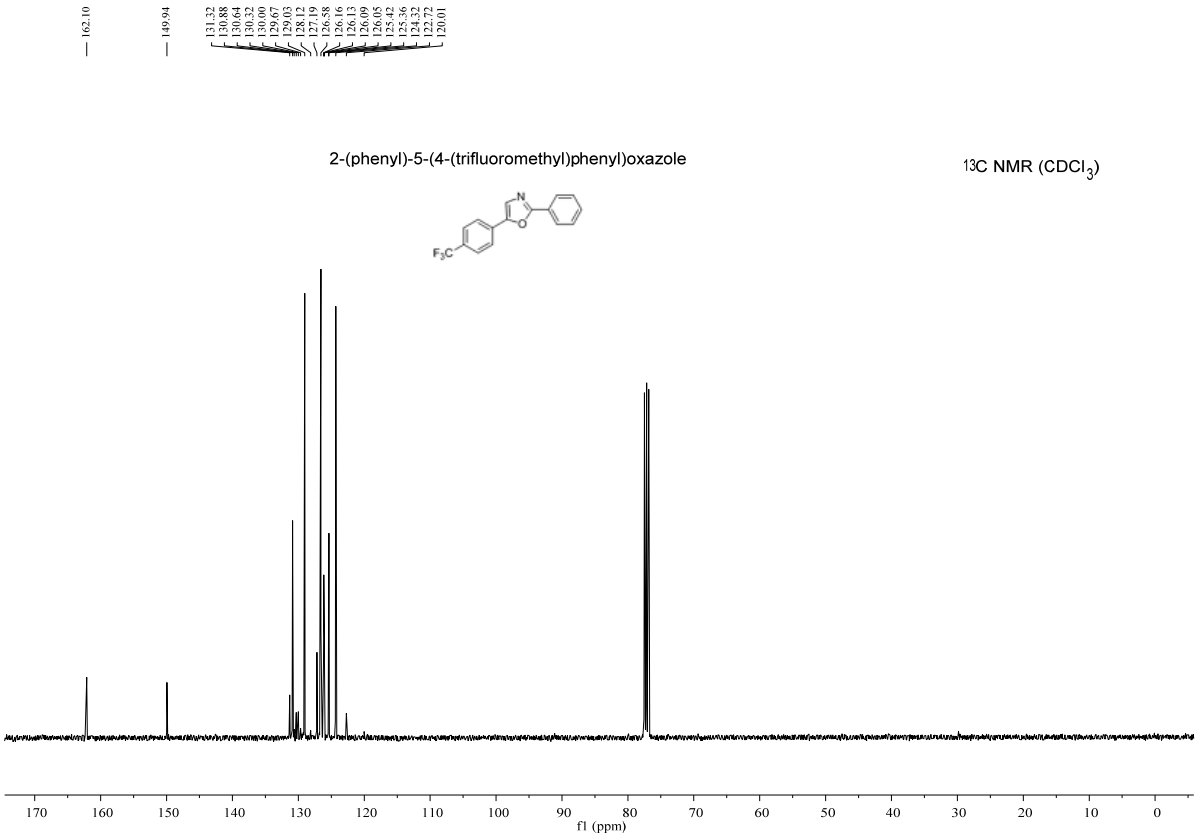
(23) 2-(phenyl)-5-(3-pyridinyl)oxazole (**4e**)



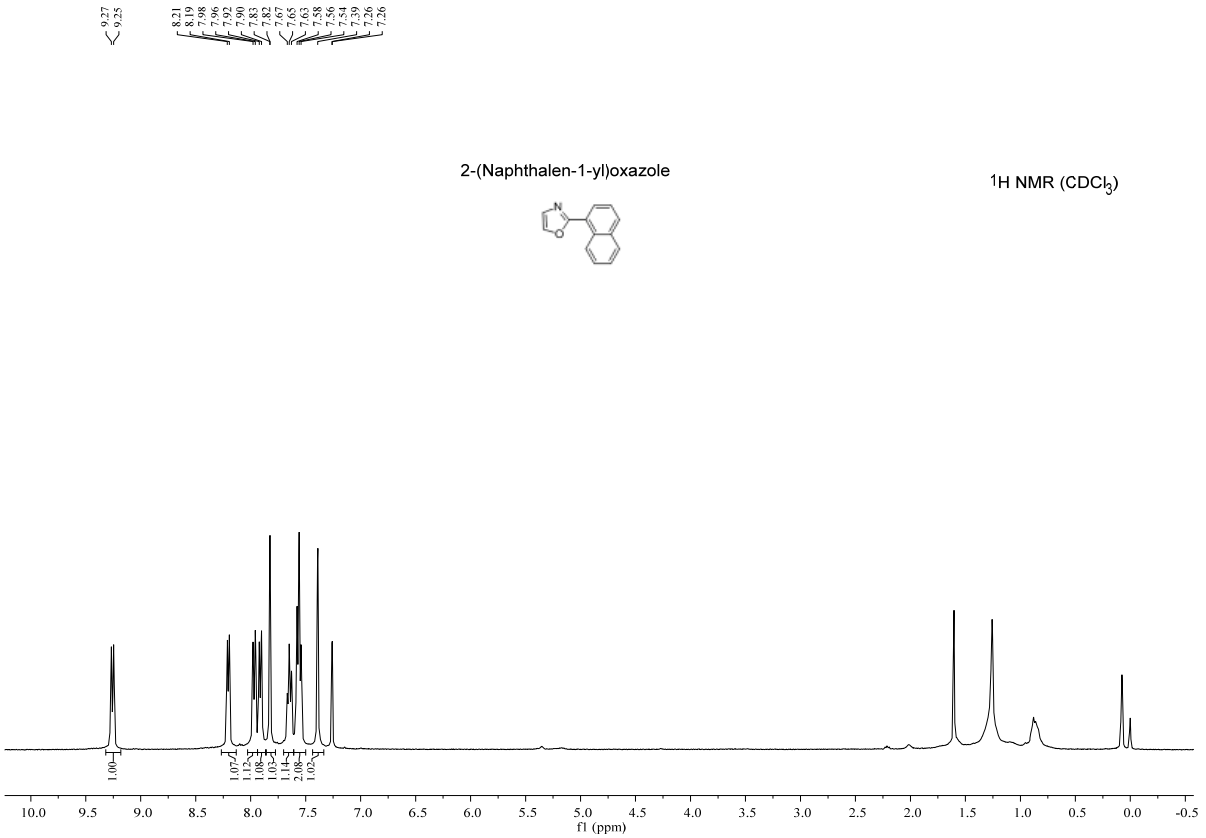


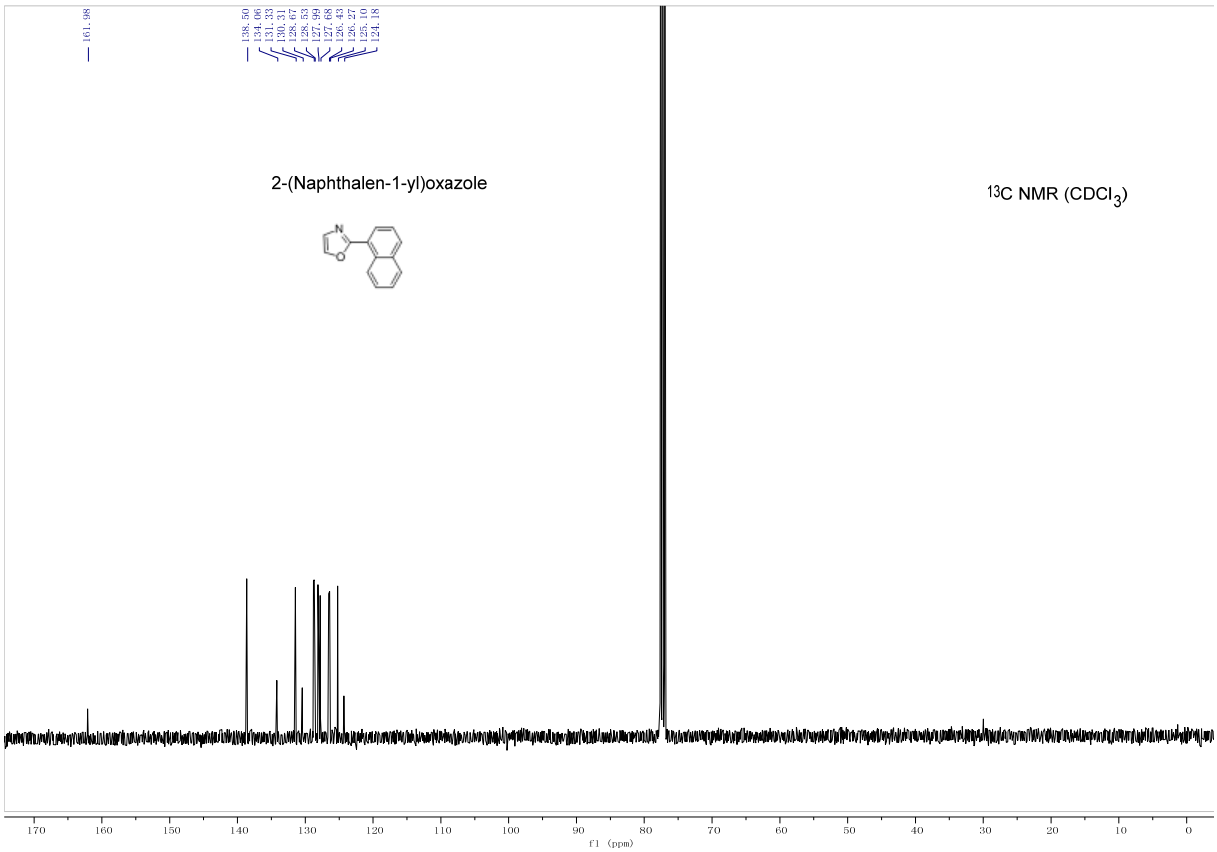
(24) 2-(phenyl)-5-(4-(trifluoromethyl)phenyl)oxazole (**4f**)



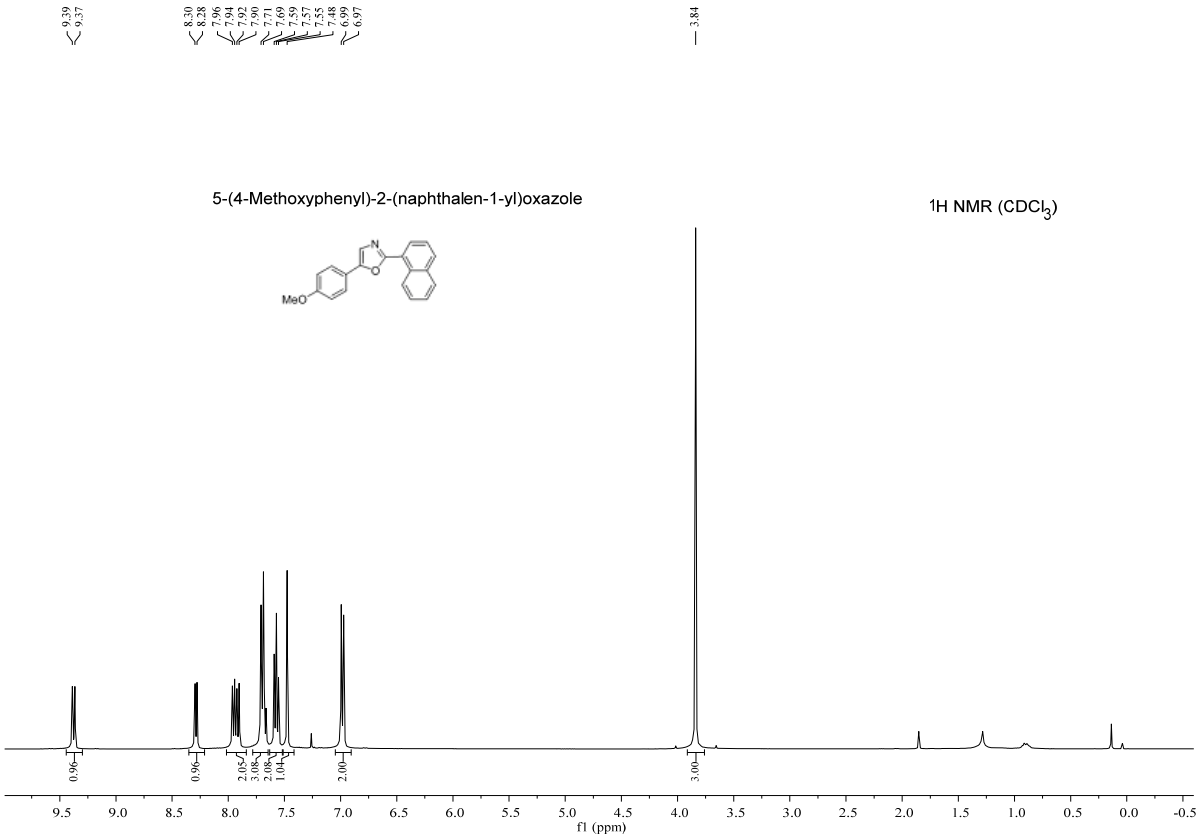


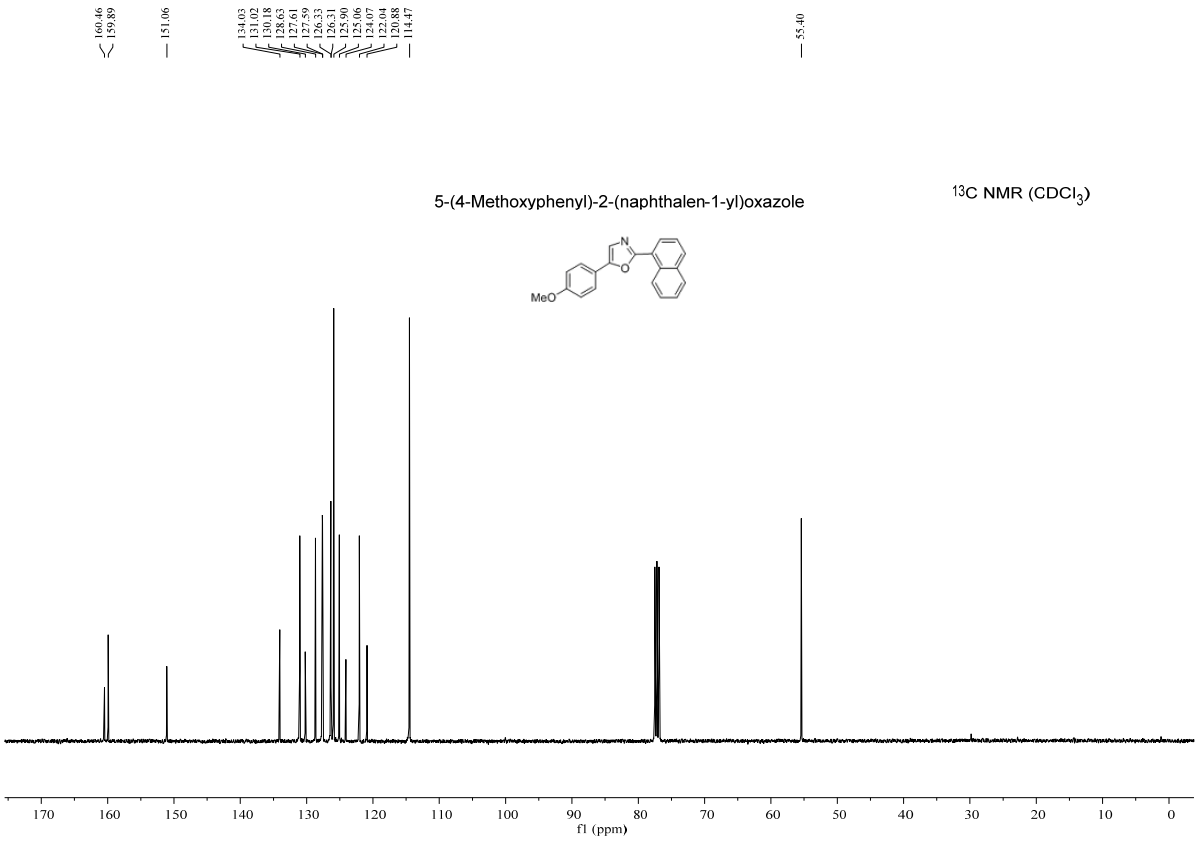
(25) 2-(naphthalen-1-yl)oxazole (**4g**)



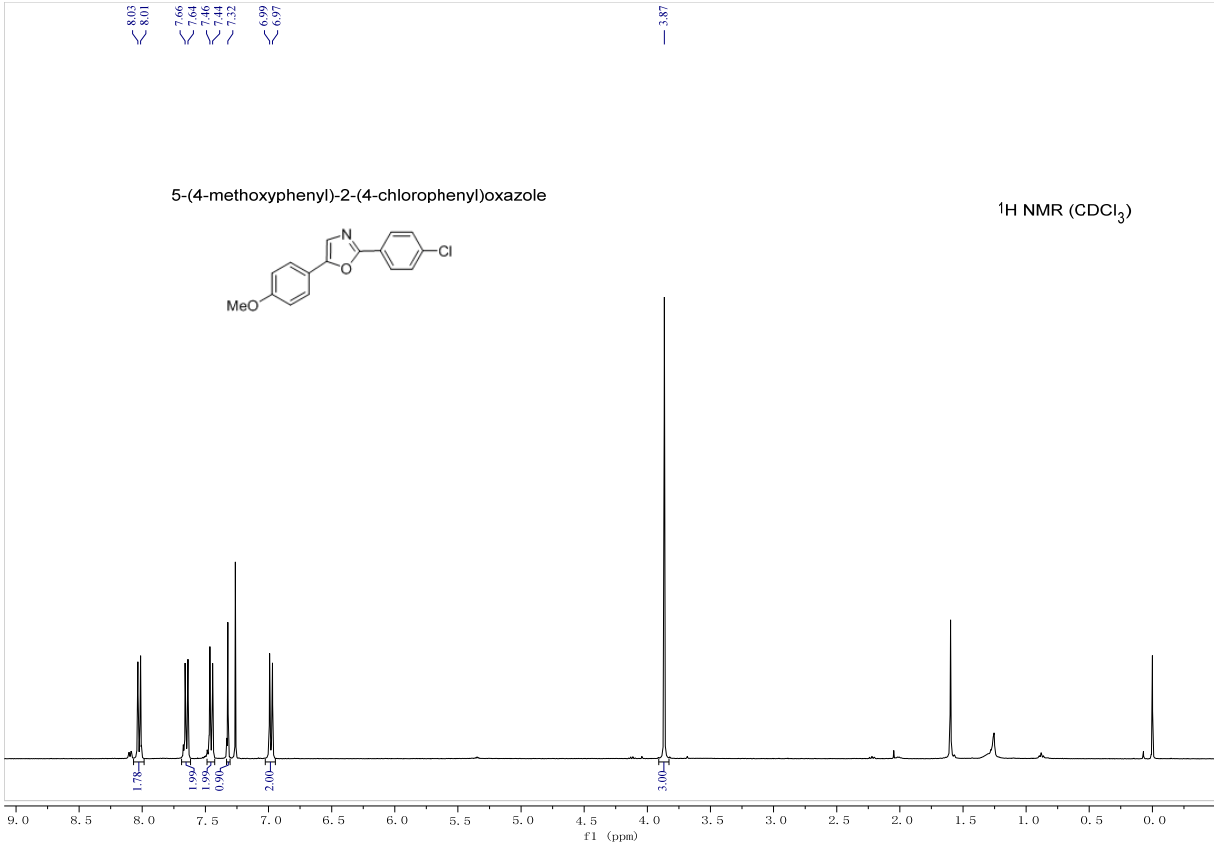


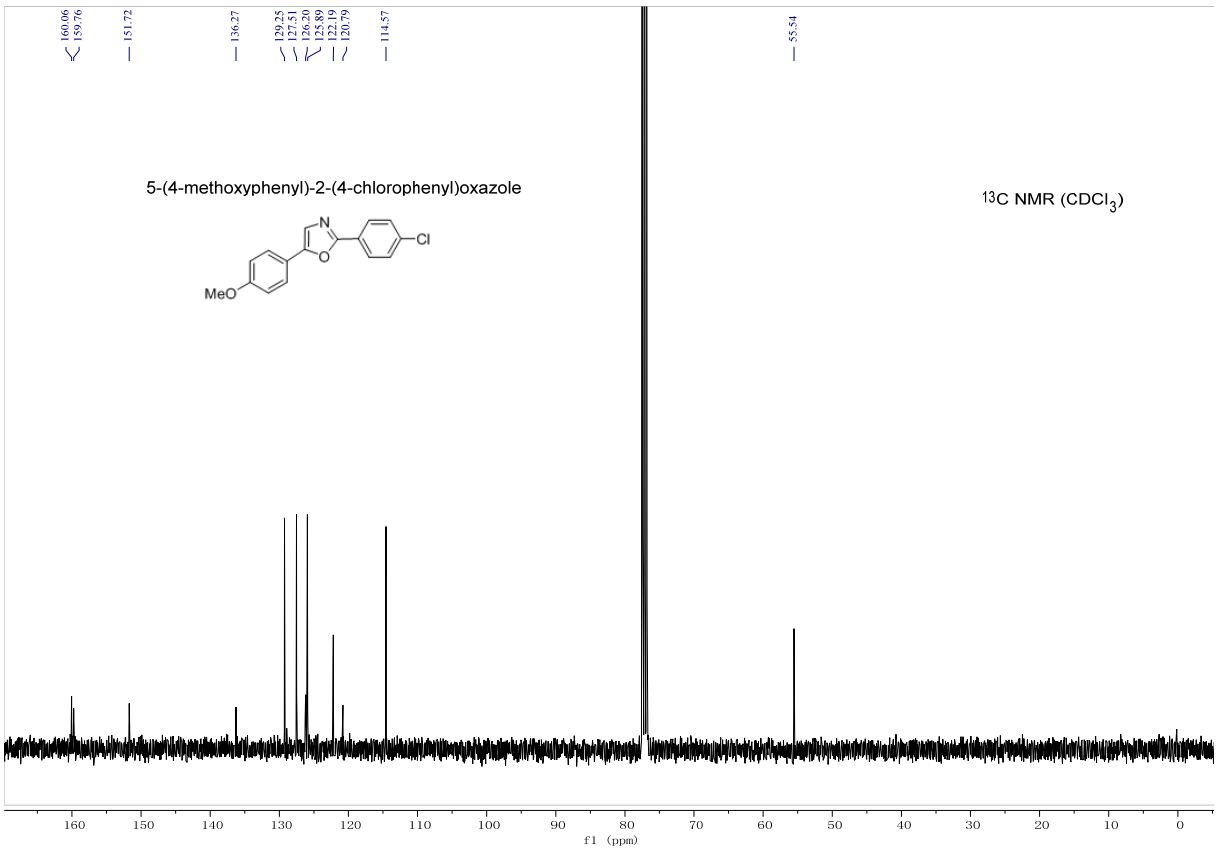
(26) 5-(4-methoxyphenyl)-2-(naphthalen-1-yl)oxazole (**4h**)



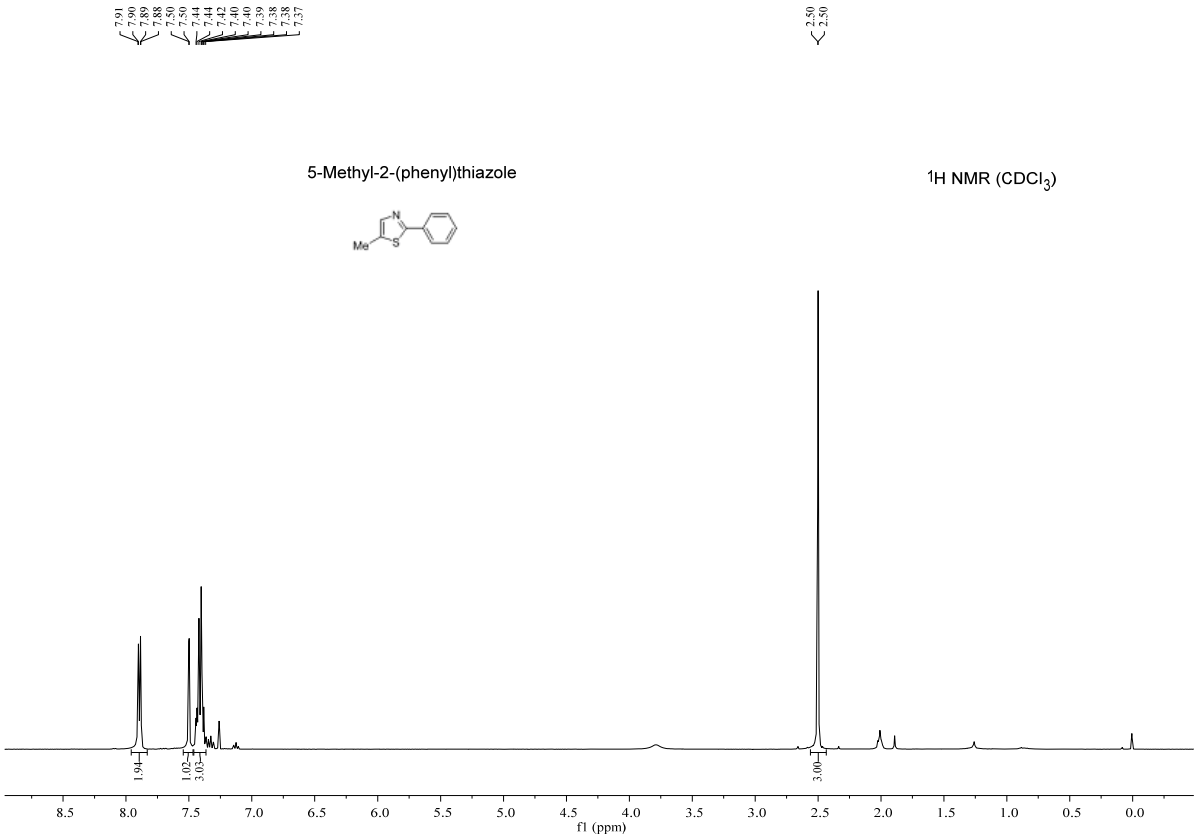


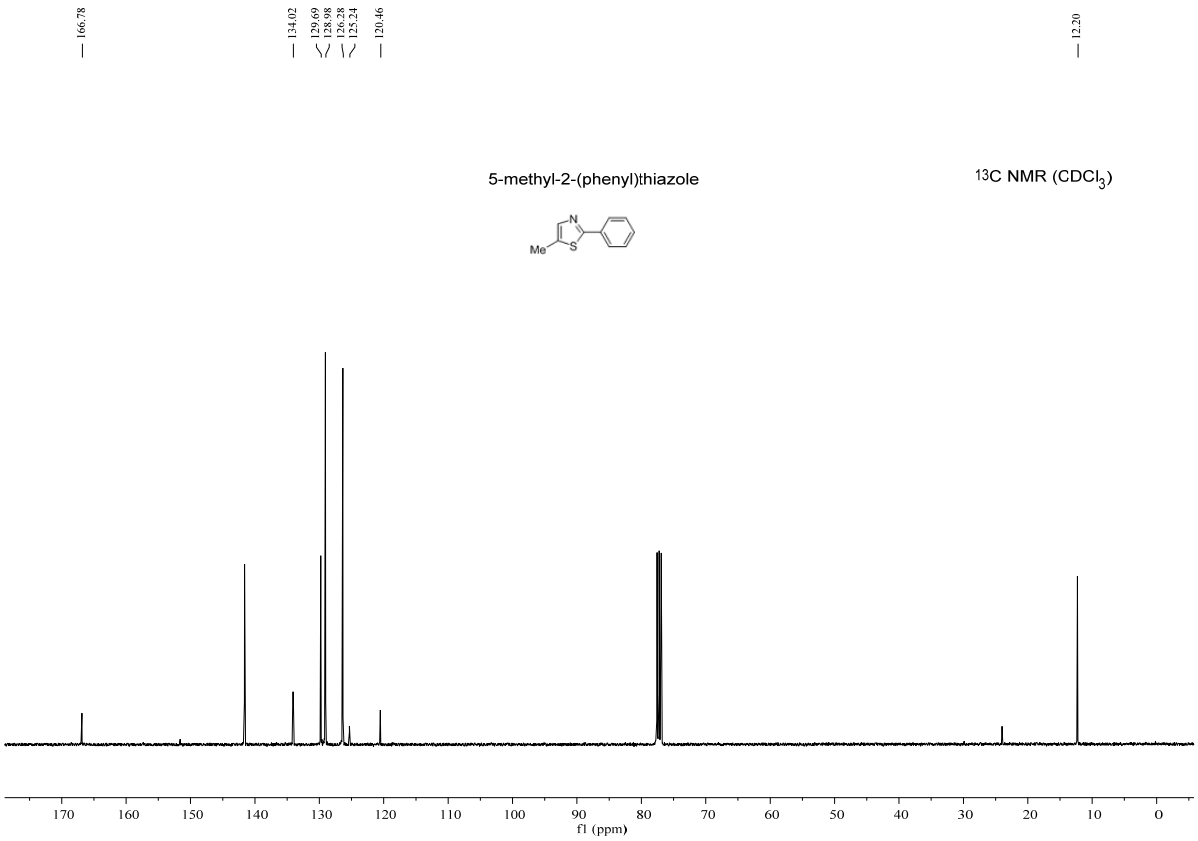
(27) 5-(4-methoxyphenyl)-2-(4-chlorophenyl)oxazole (**4i**)



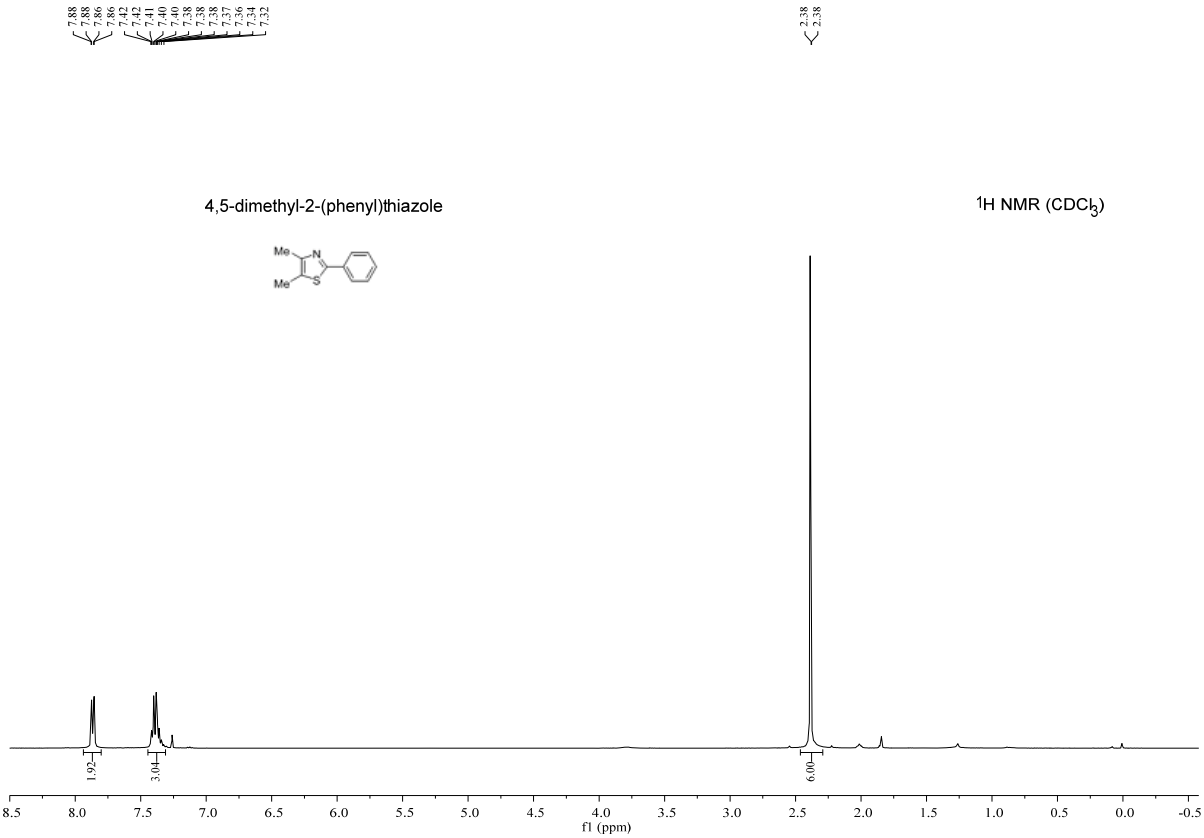


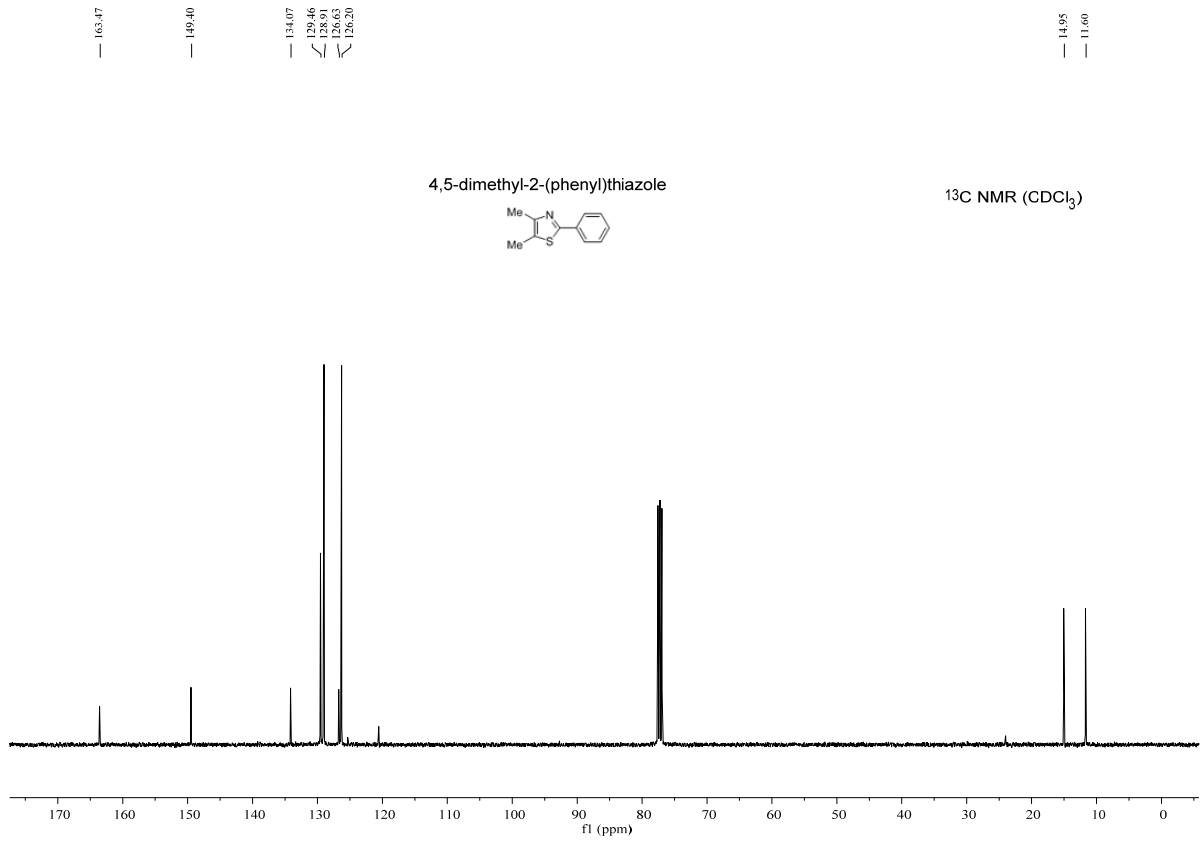
(28) 5-methyl-2-(phenyl)thiazole (**4j**)



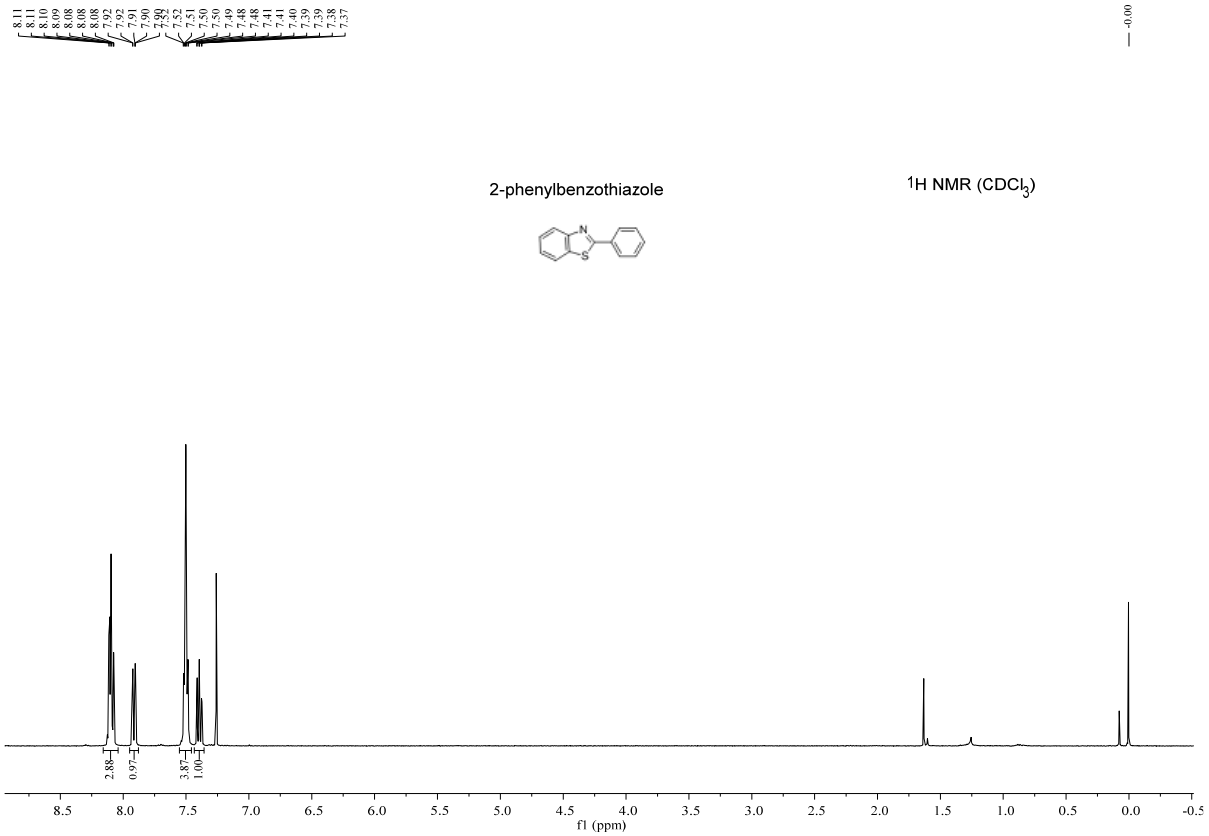


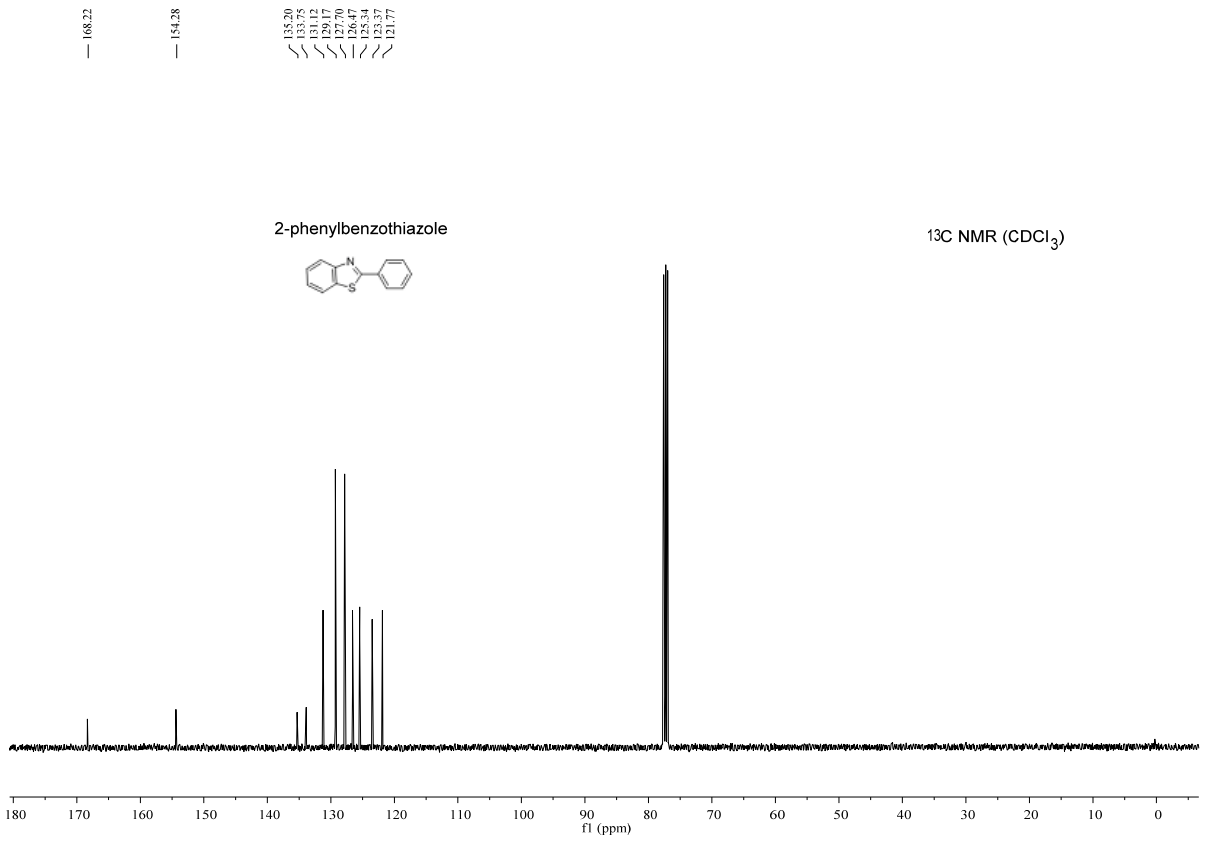
(29) 4,5-dimethyl-2-(phenyl)thiazole (**4k**)



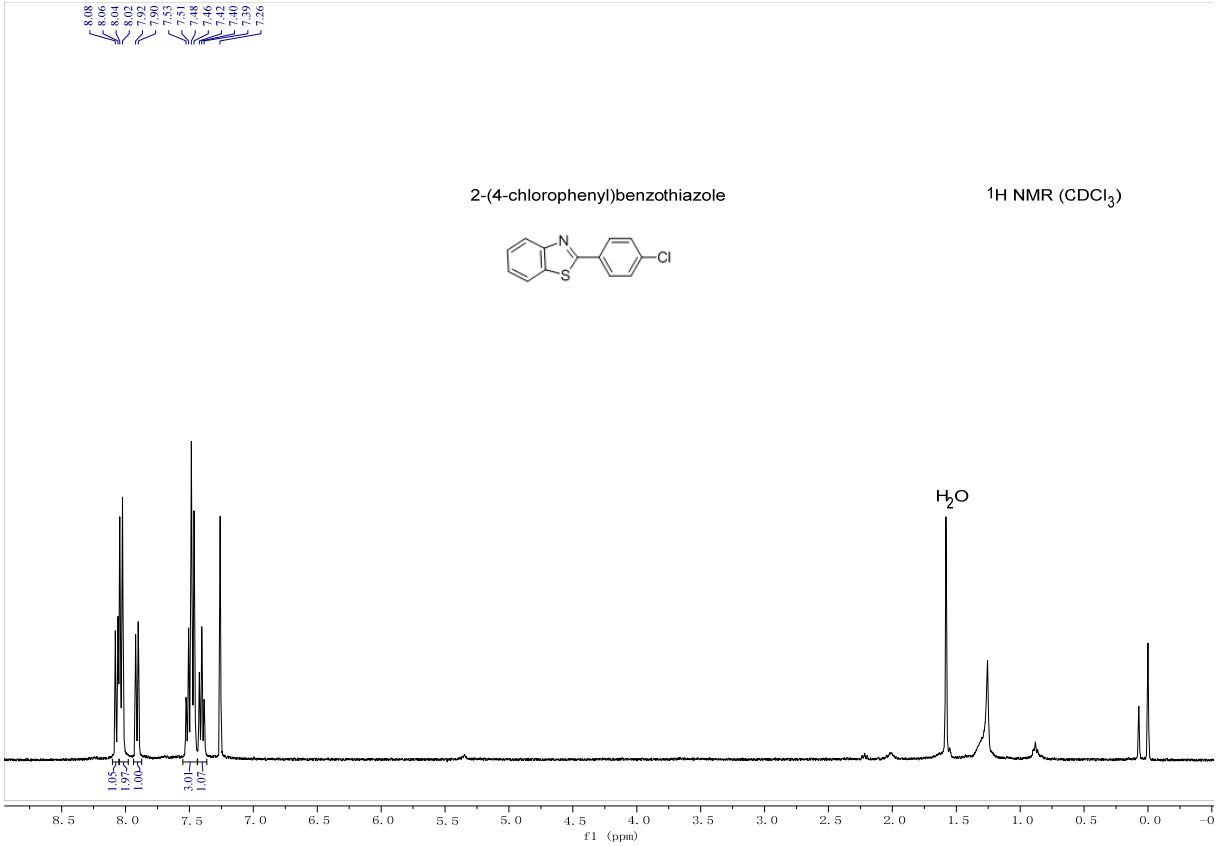


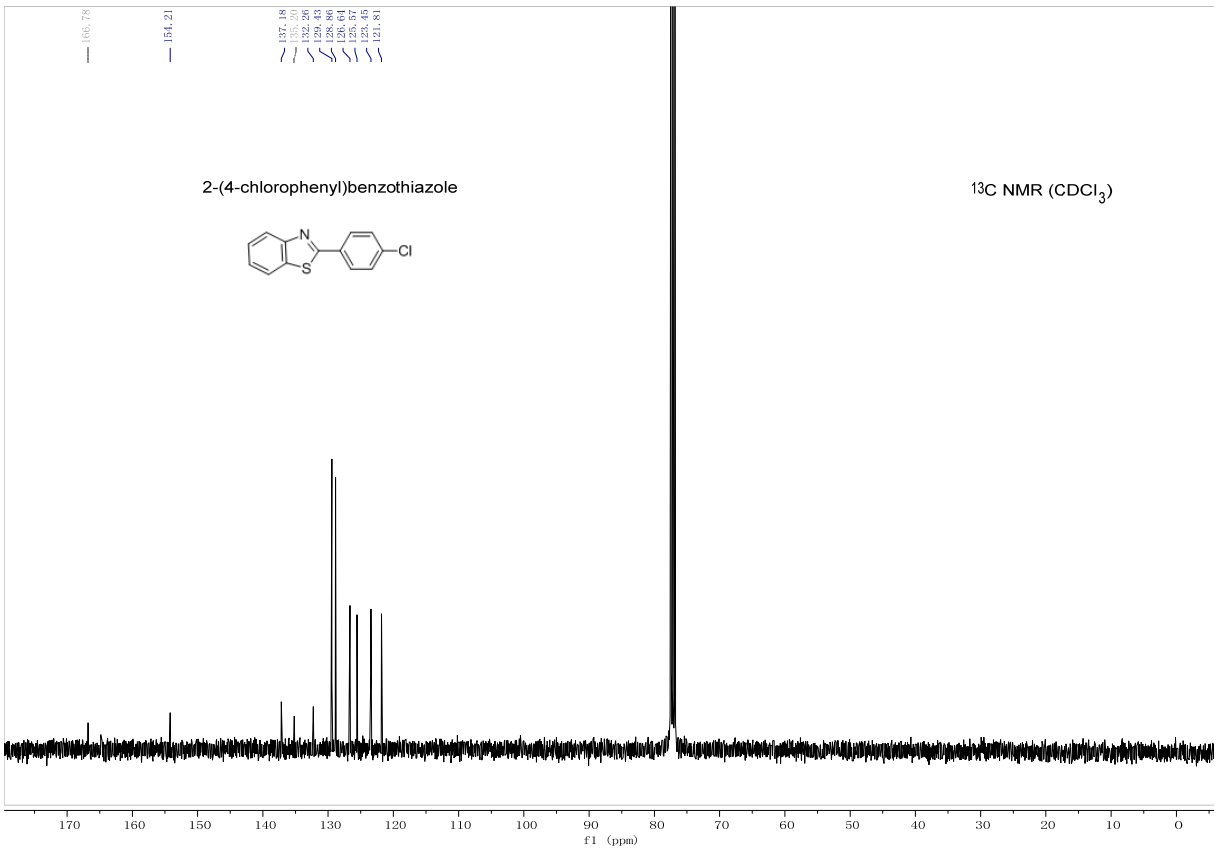
(30) 2-phenylbenzothiazole (**4l**)



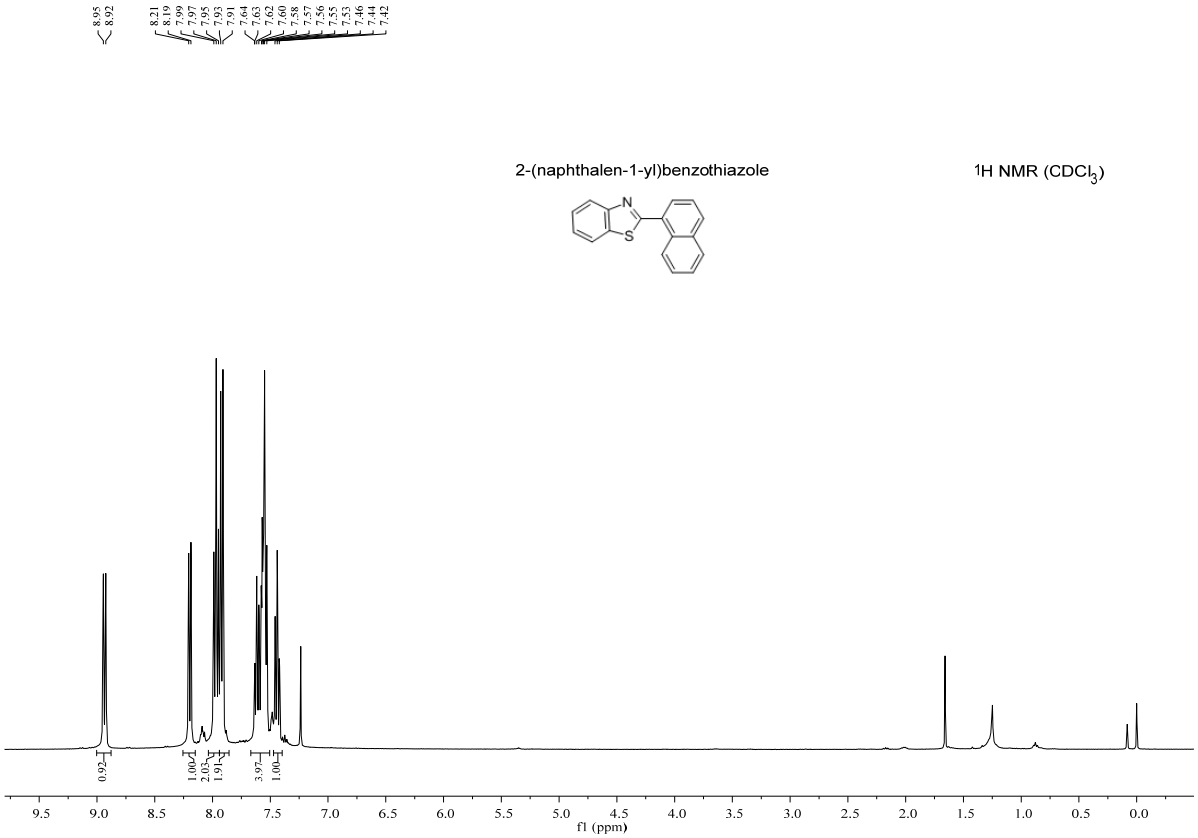


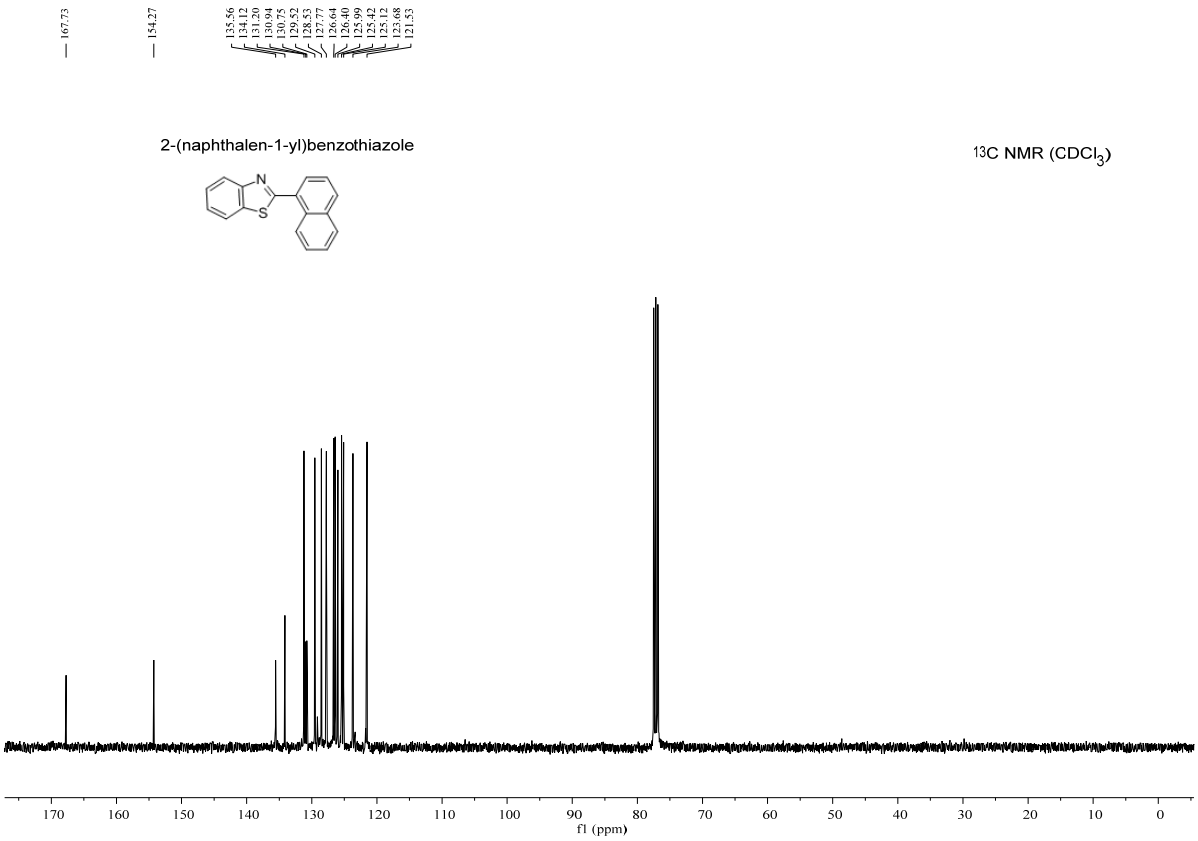
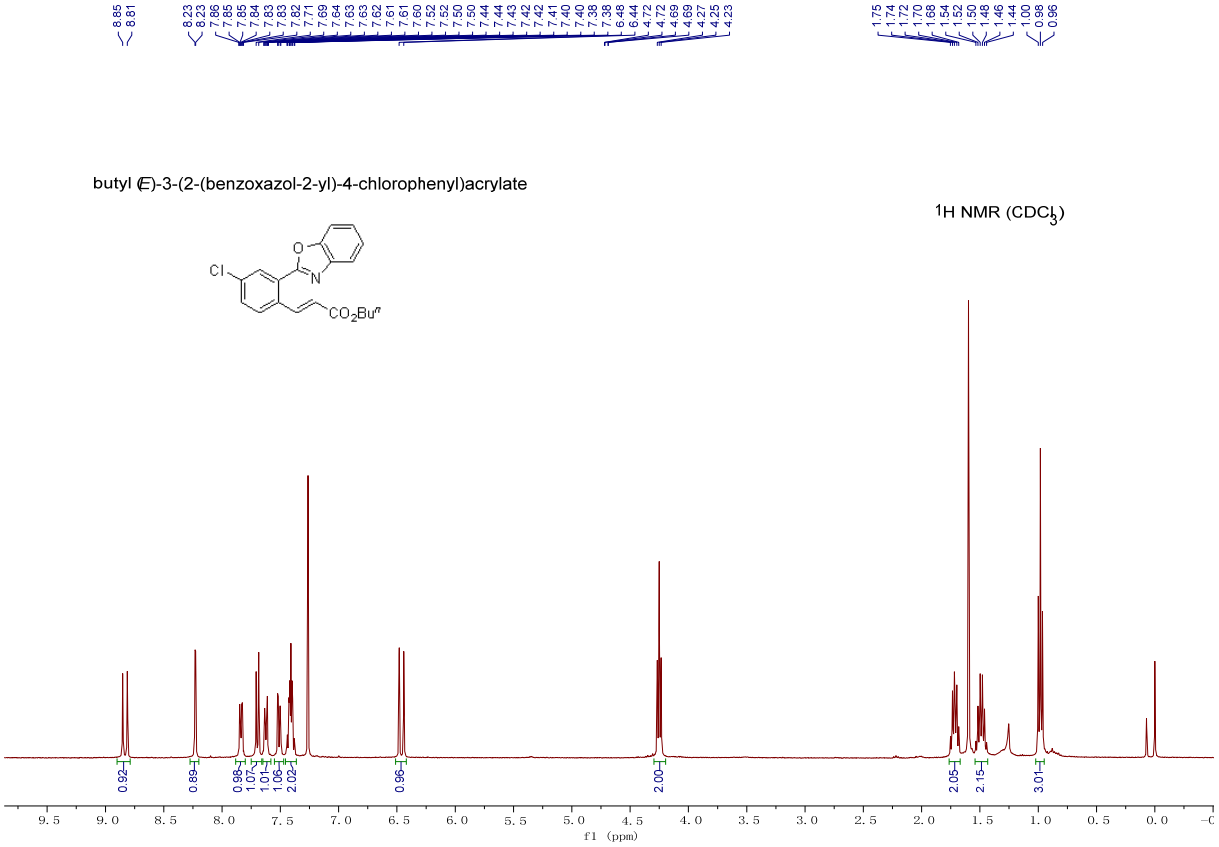
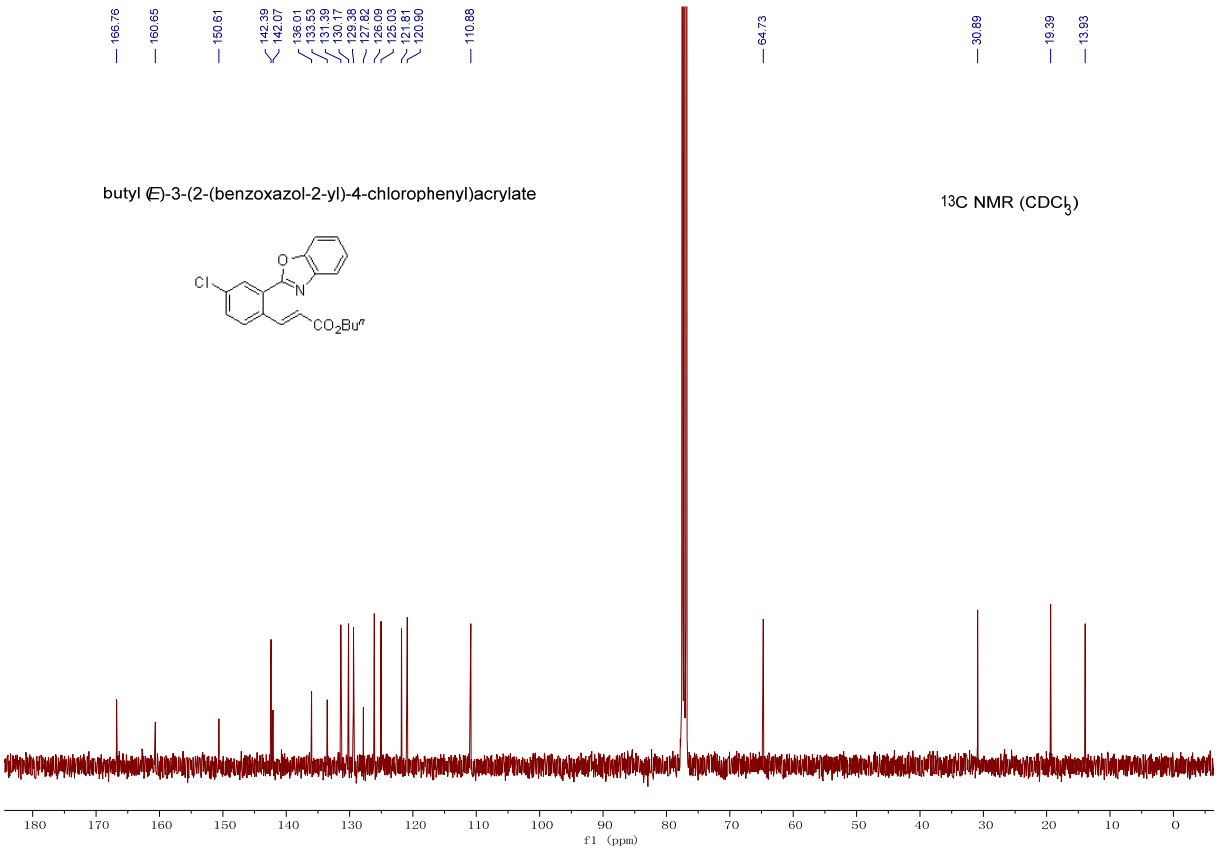
(31) 2-(4-chlorophenyl)benzothiazole (**4m**)





(32) 2-(naphthalen-1-yl)benzothiazole (**4n**)





(33) butyl (*E*)-3-(2-(benzoxazol-2-yl)-4-chlorophenyl)acrylate (**6**)