Supplementary Information

Synthesis and antiproliferative activity of phosphorus substituted 4-cyanooxazolines, 2-aminocyanooxazolines, 2-iminocyanooxazolidines, and 2-aminocyanothiazolines by rearrangement of cyanoaziridines

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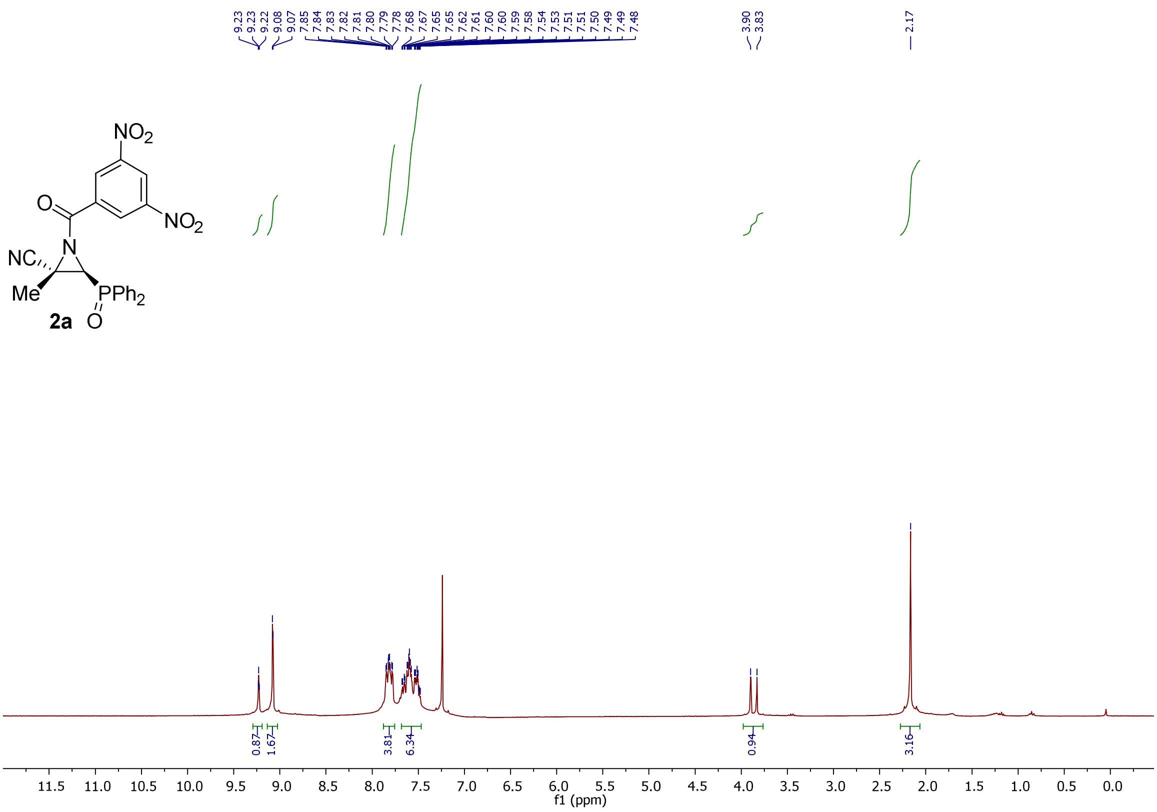
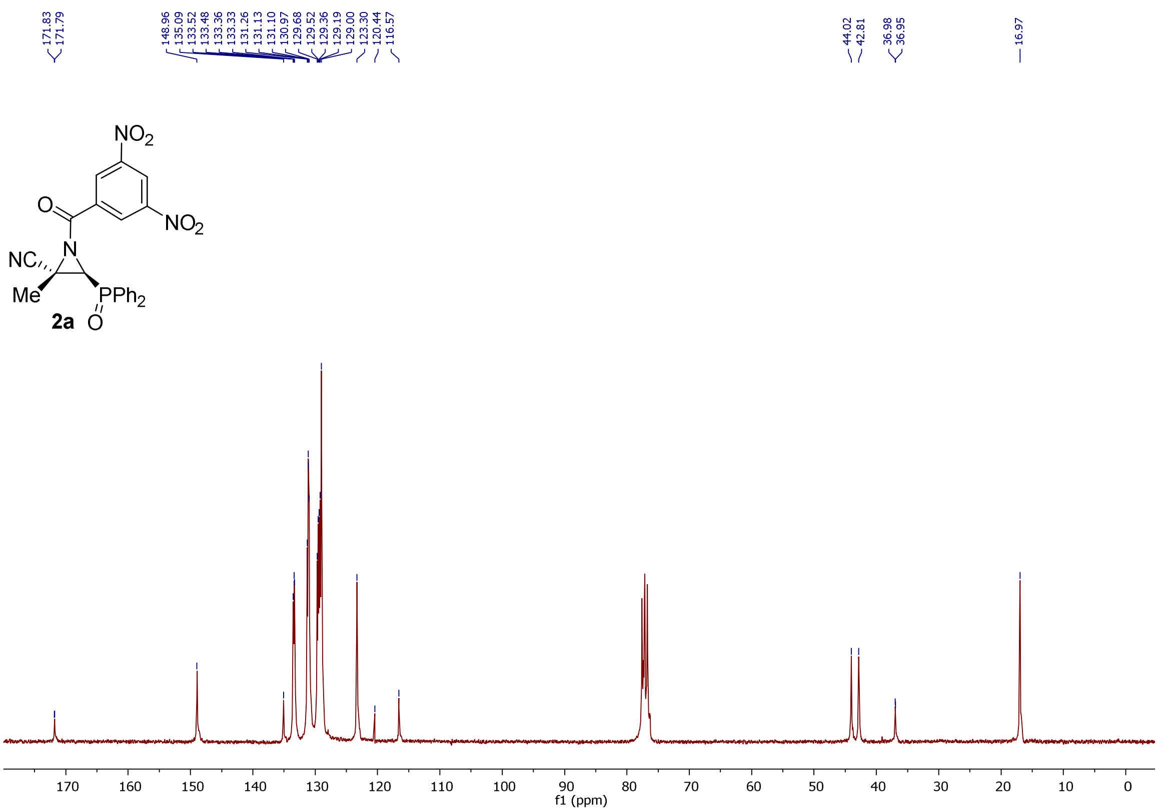
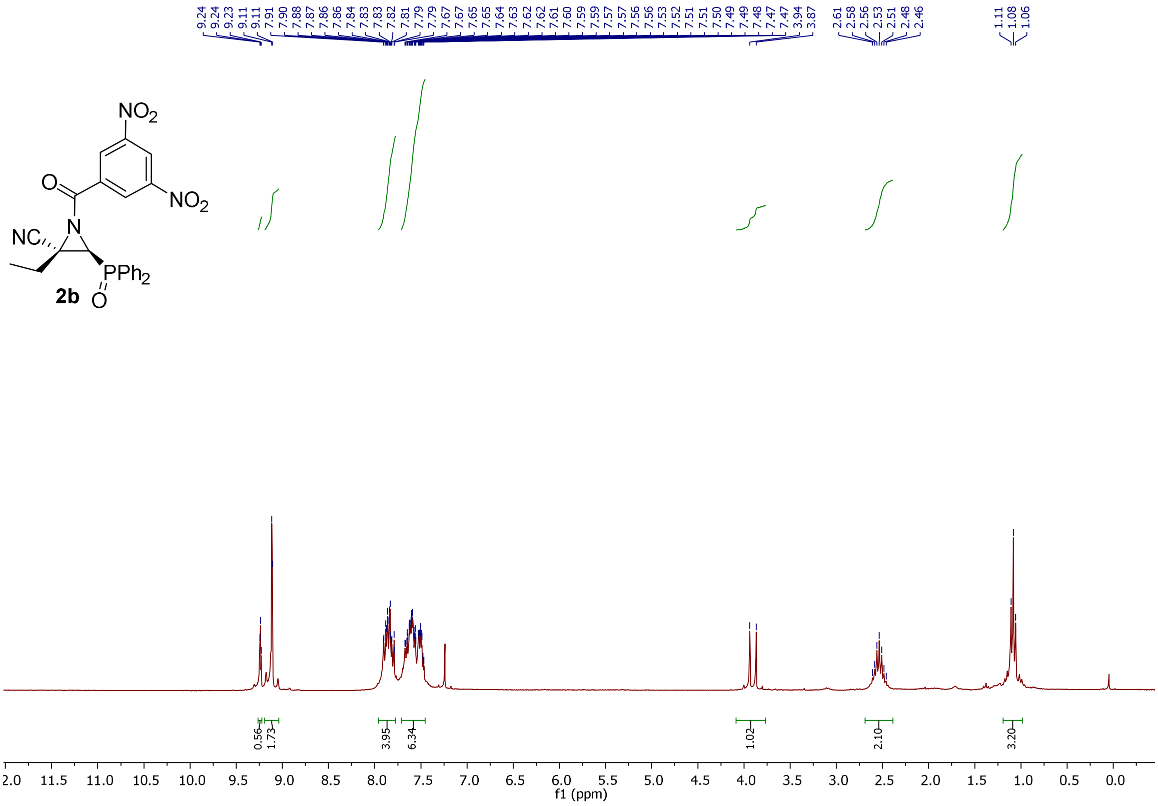
[1]H NMR (300 MHz, $CDCl_3$) of compound **2a**.



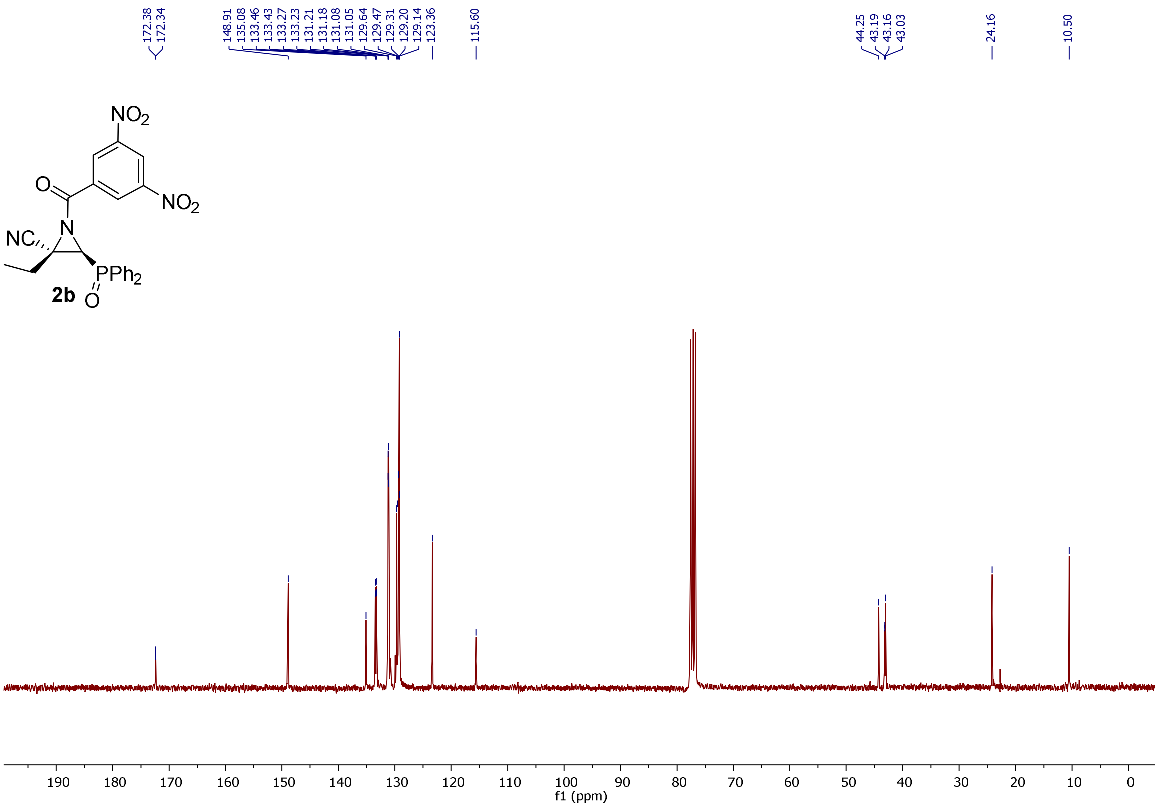
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **2a**.



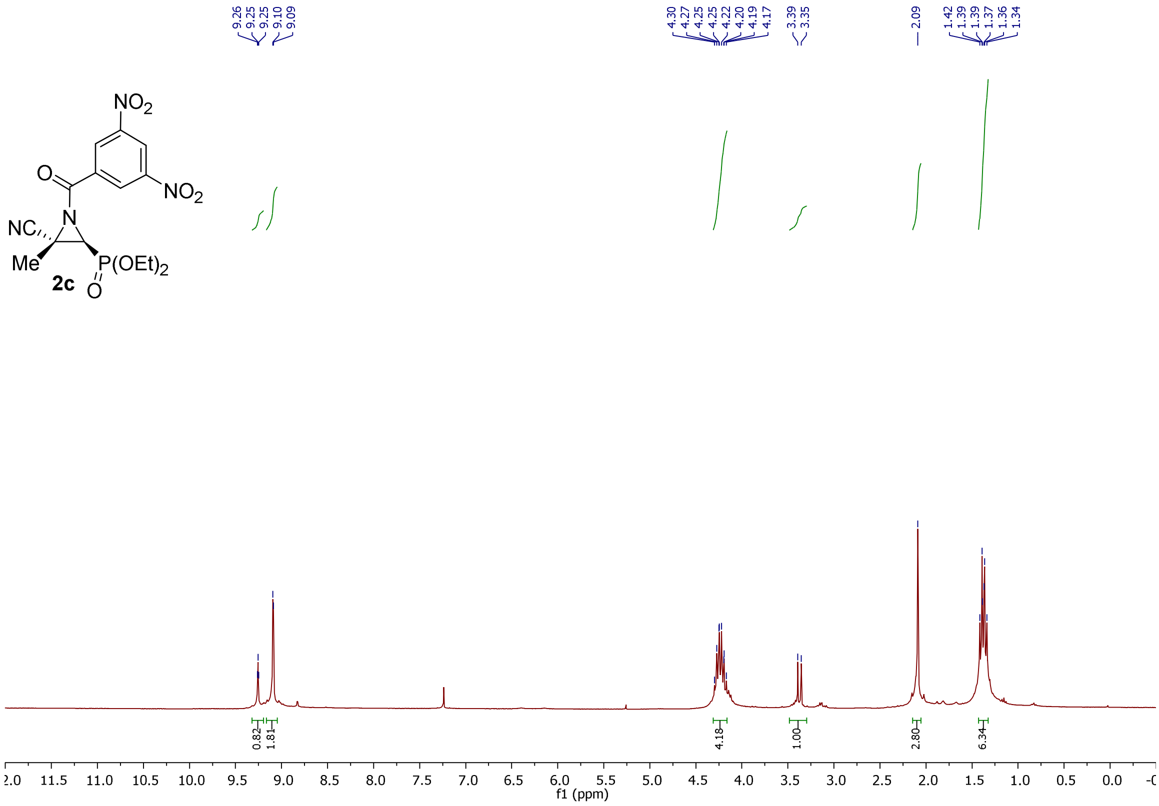
¹H NMR (300 MHz, $CDCl_3$) of compound **2b**.



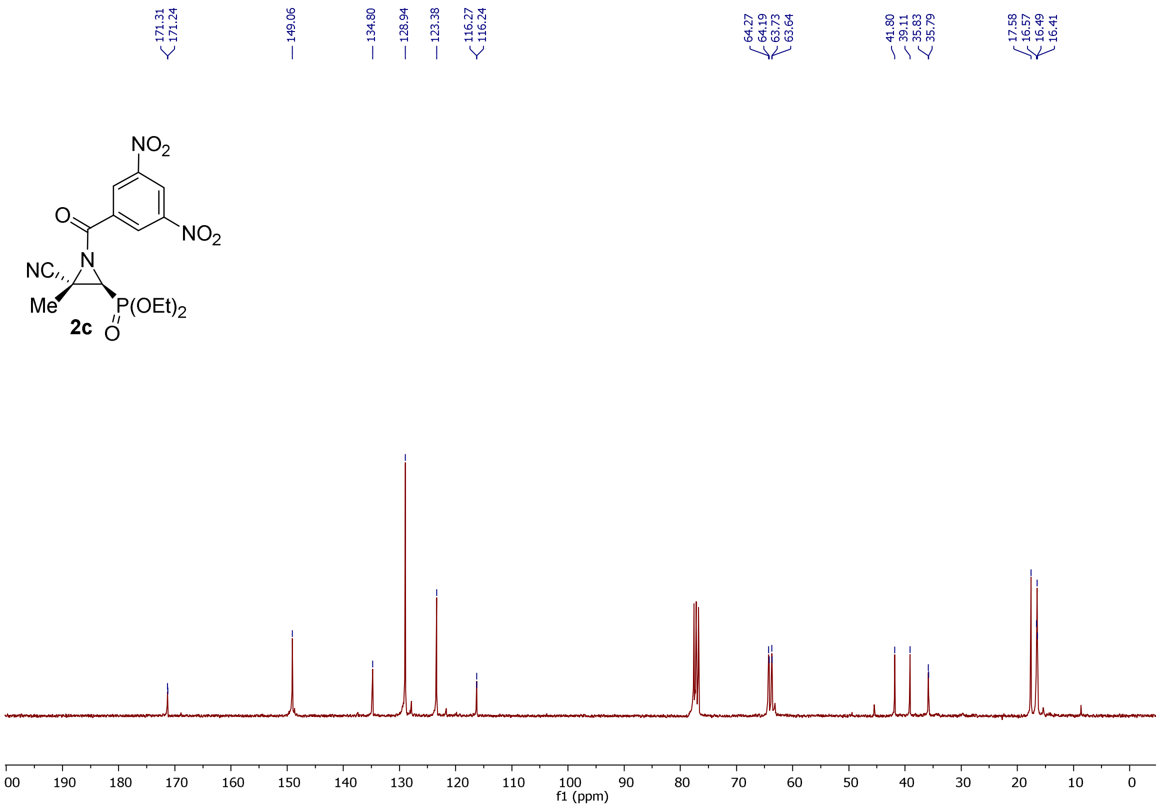
¹³C {¹H} NMR (75 MHz, $CDCl_3$) of compound **2b**.



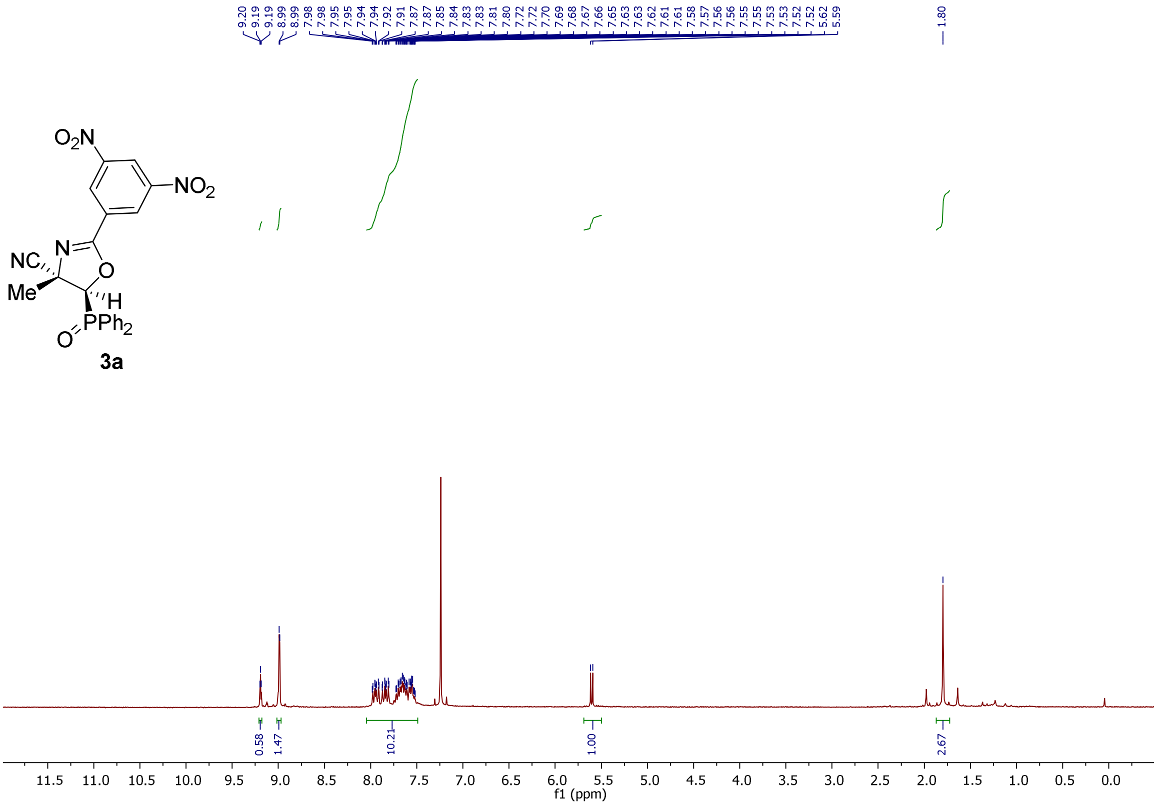
[1]H NMR (300 MHz, $CDCl_3$) of compound **2c**.



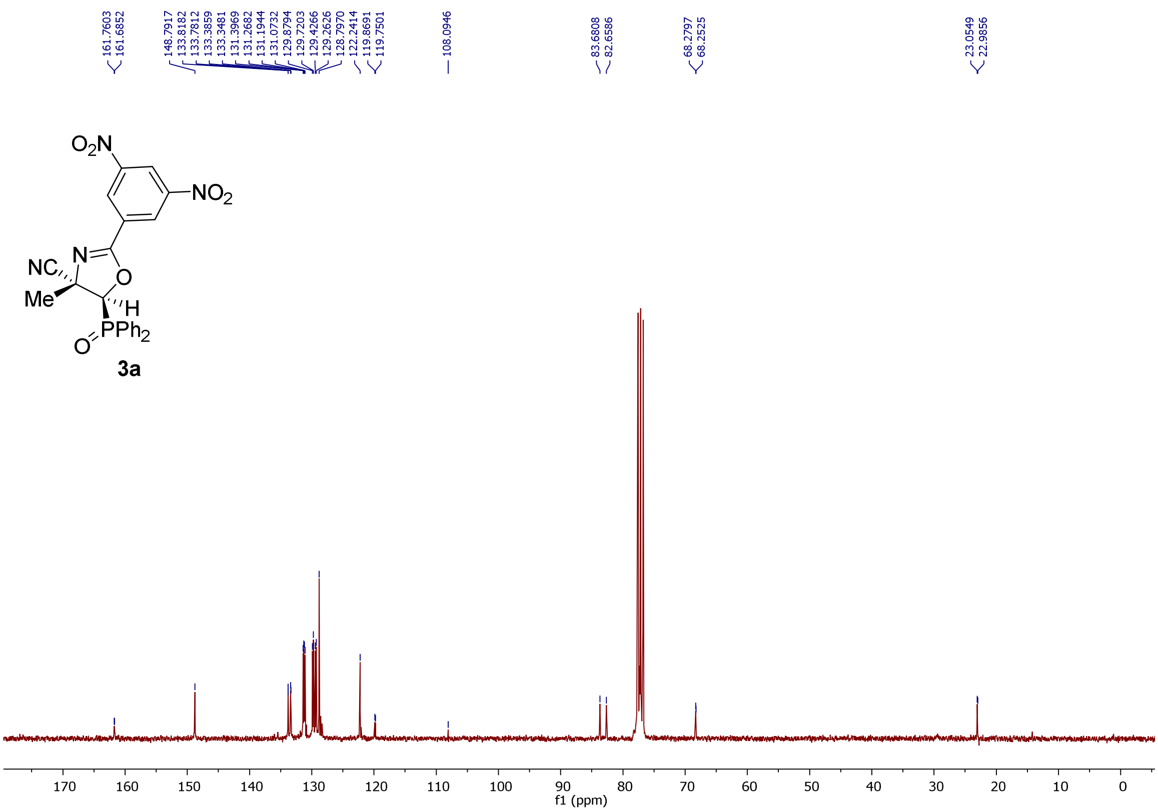
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **2c**.



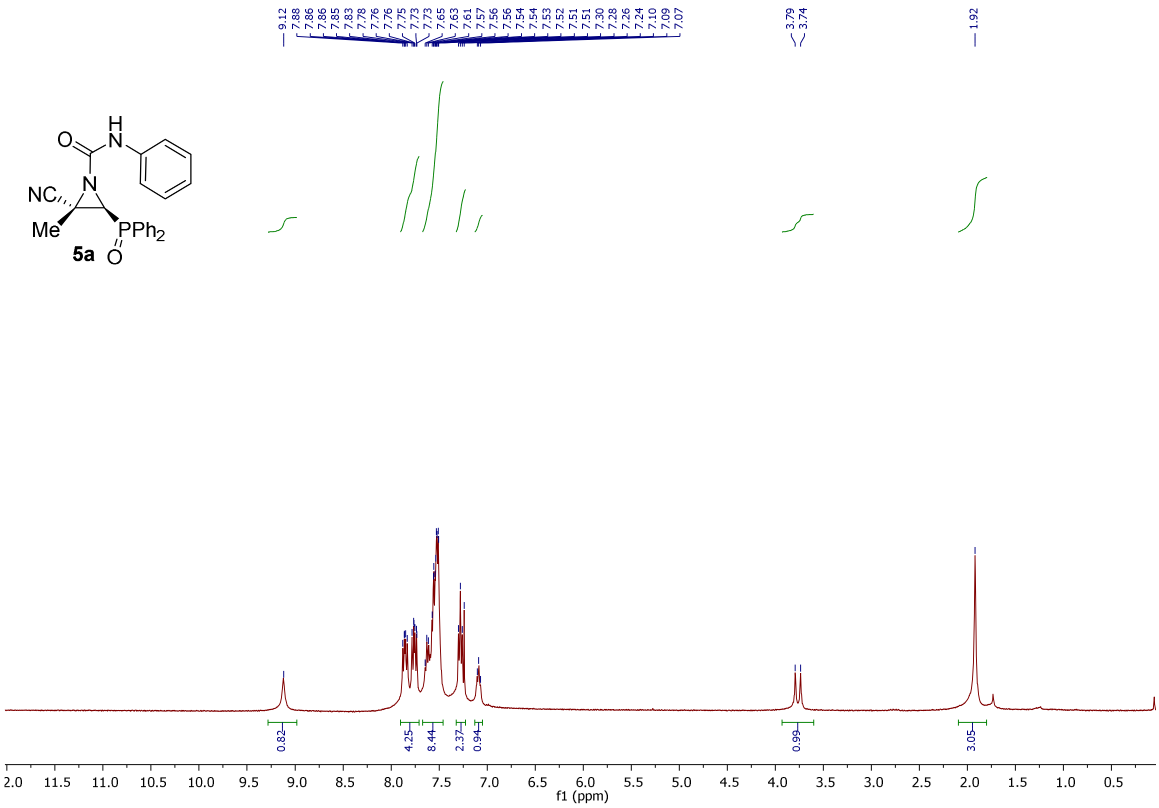
^{1}H NMR (300 MHz, $CDCl_3$) of compound **3a**.



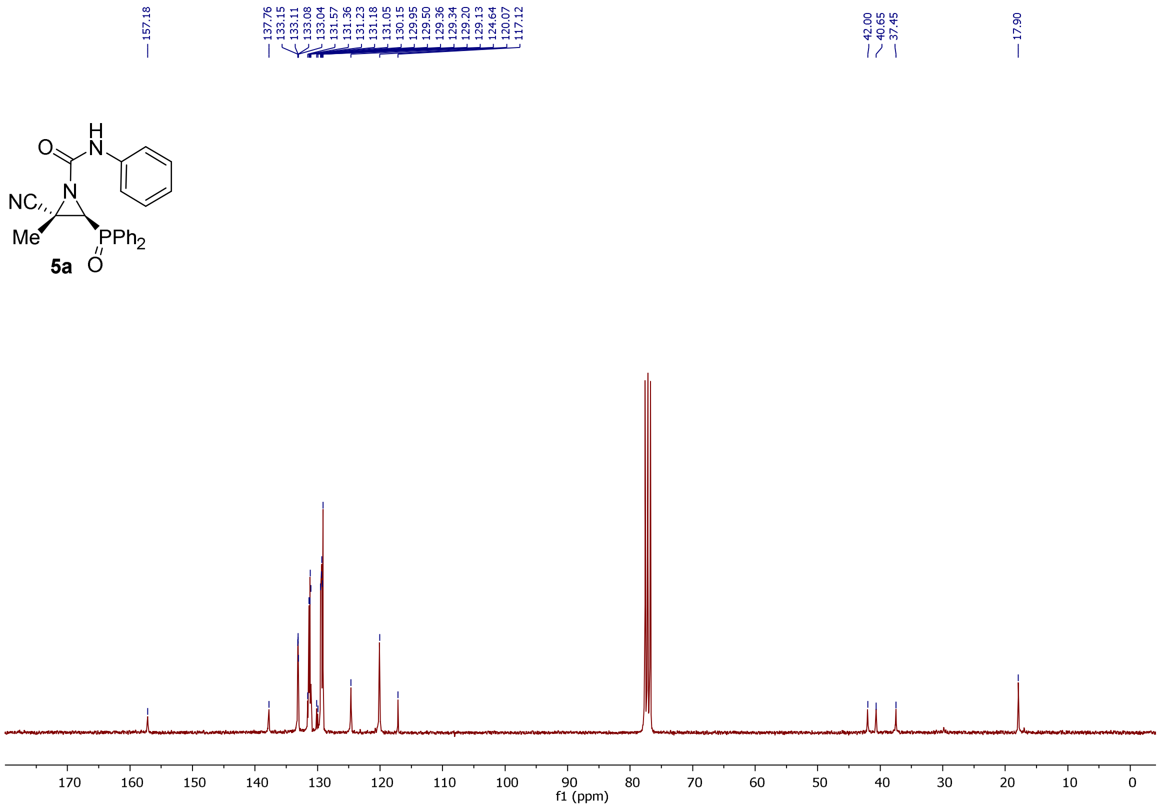
^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **3a**.



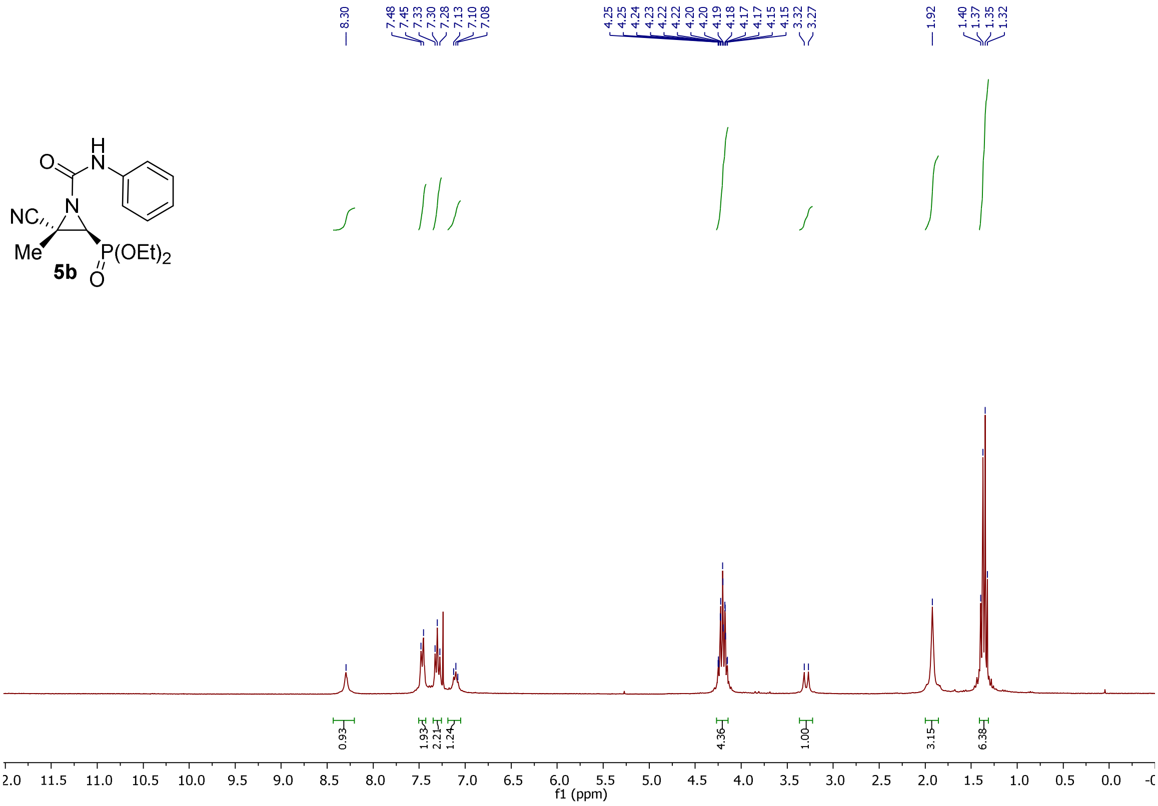
^{1}H NMR (400 MHz, $CDCl_3$) of compound **5a**.



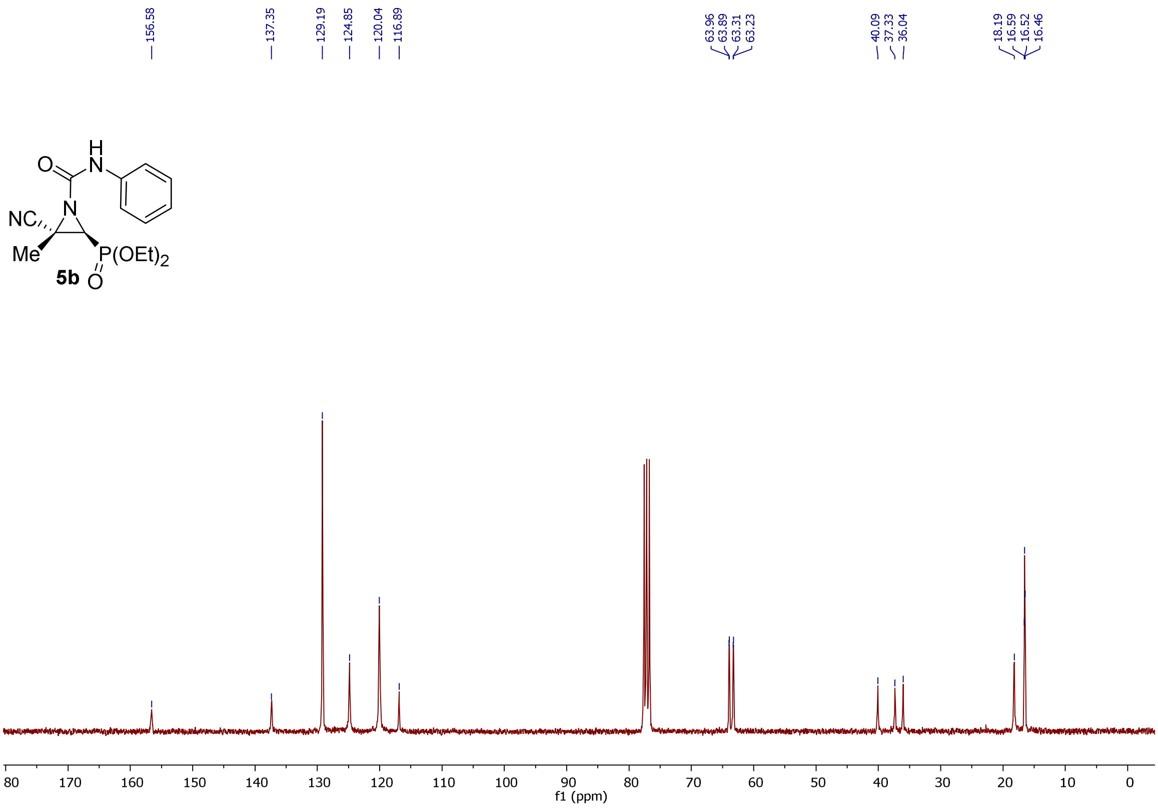
^{13}C NMR (75 MHz, $CDCl_3$) of compound **5a**.



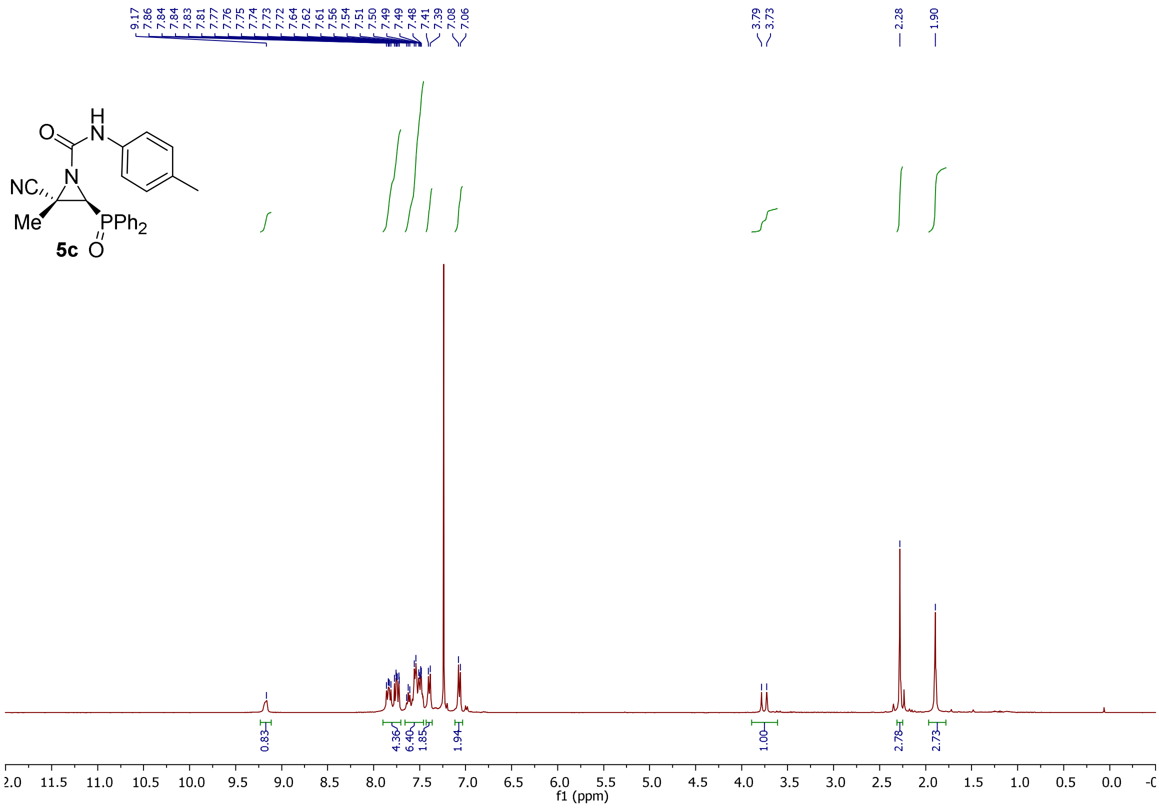
^1H NMR (300 MHz, $CDCl_3$) of compound **5b**.



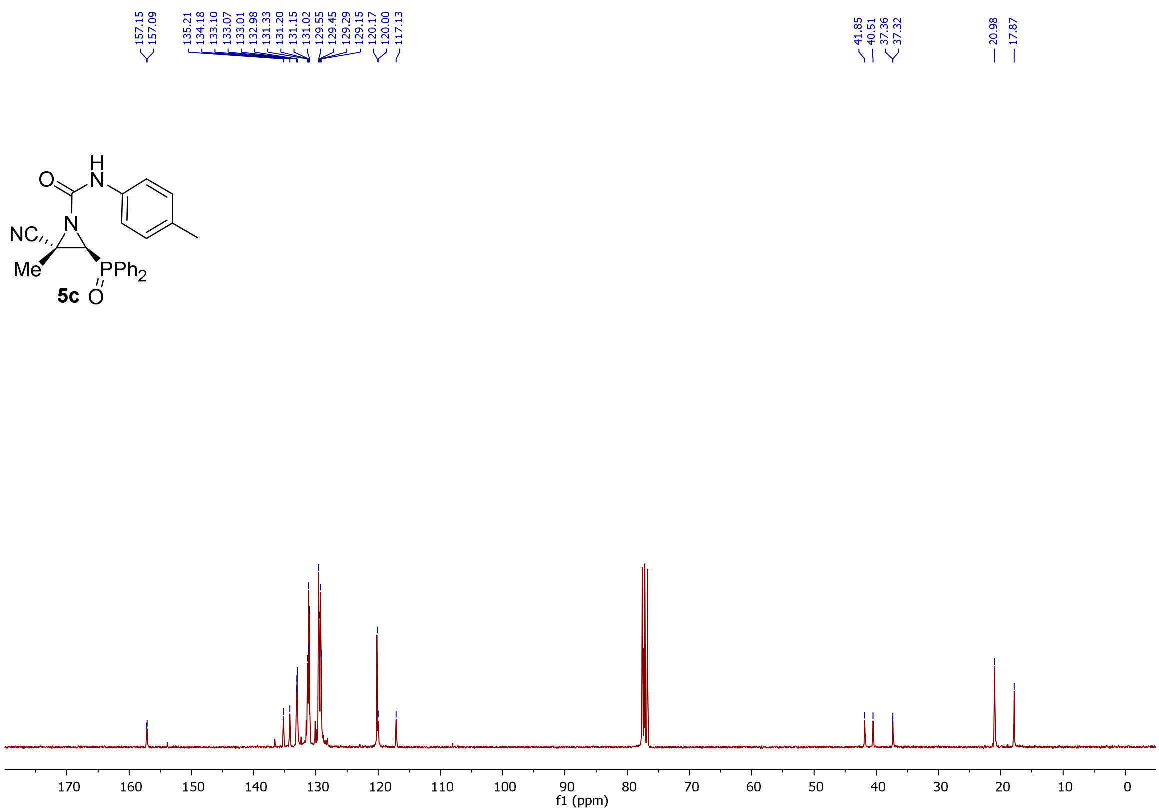
^{13}C {^1H} NMR (75 MHz, $CDCl_3$) of compound **5b**.



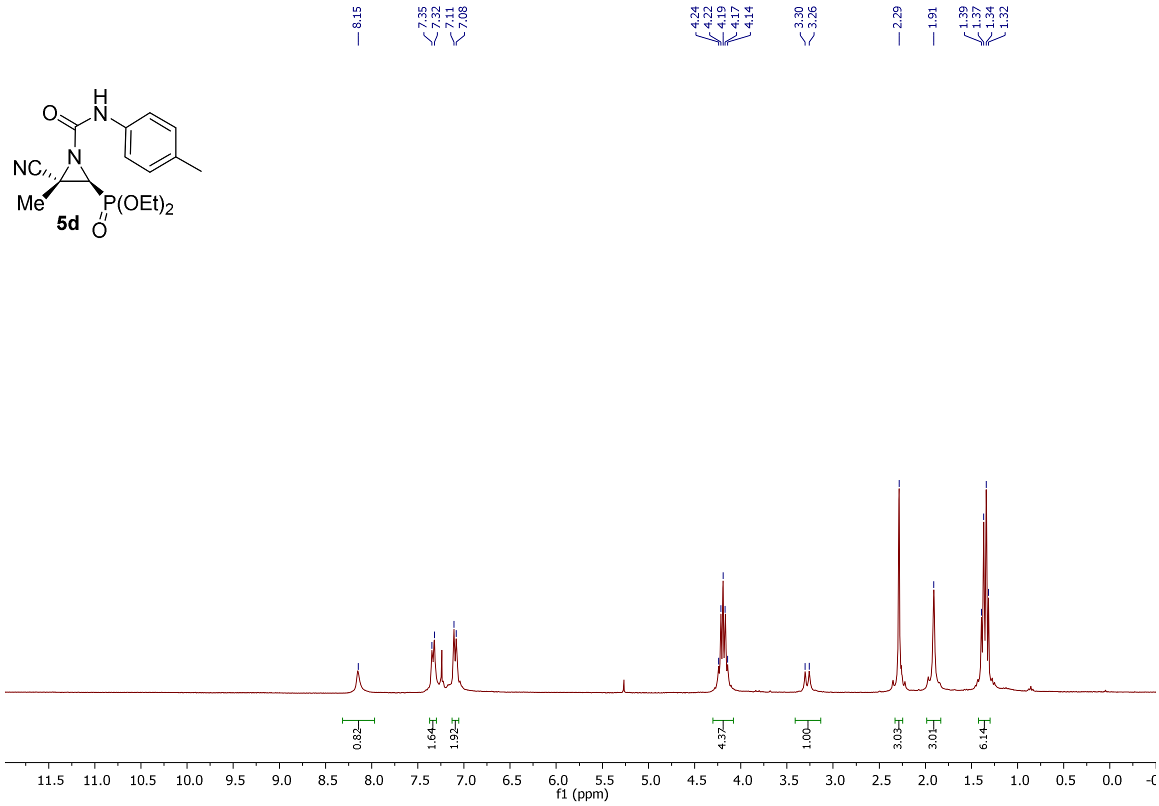
[1]H NMR (400 MHz, $CDCl_3$) of compound **5c**.



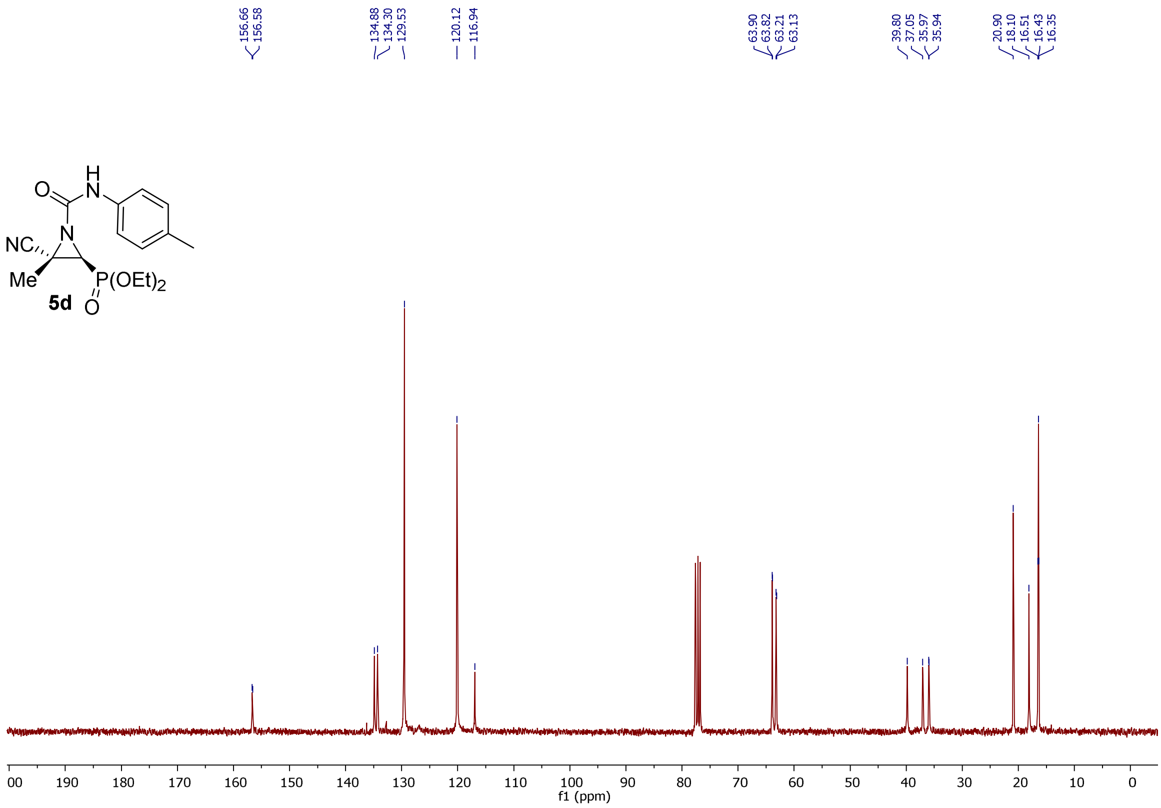
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **5c**.



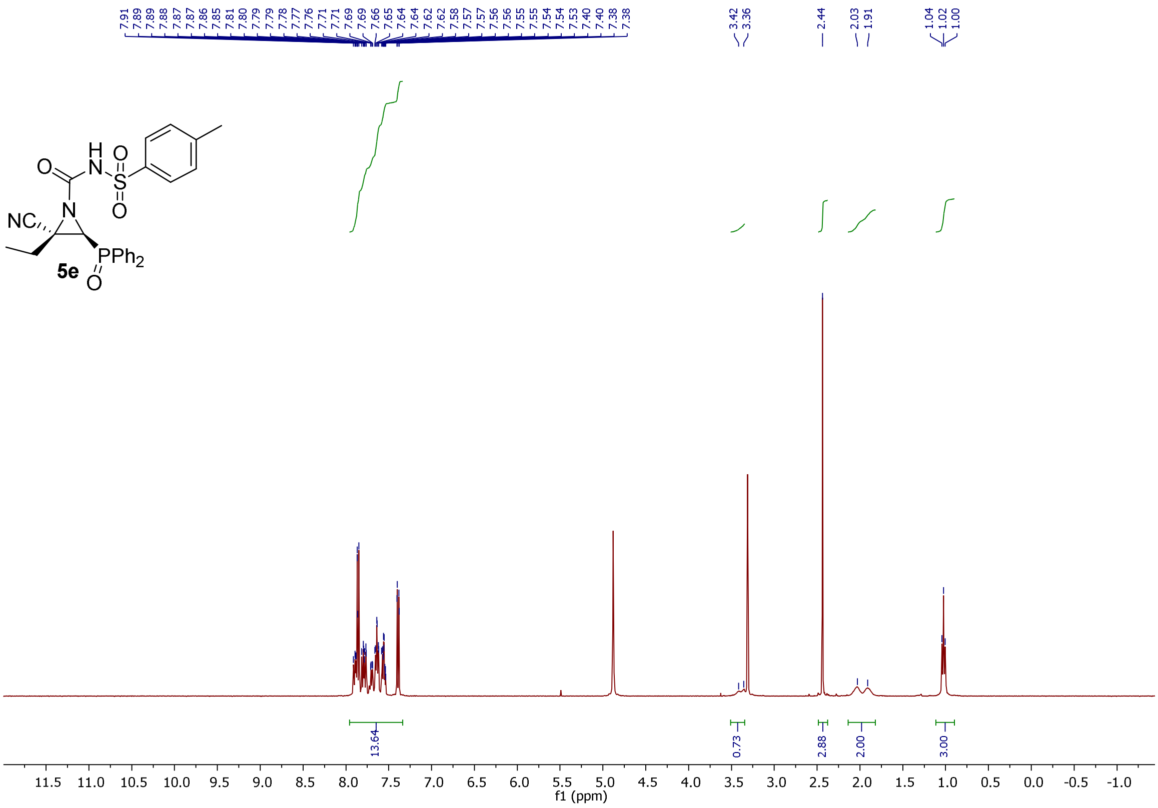
^{1}H NMR (300 MHz, $CDCl_3$) of compound **5d**.



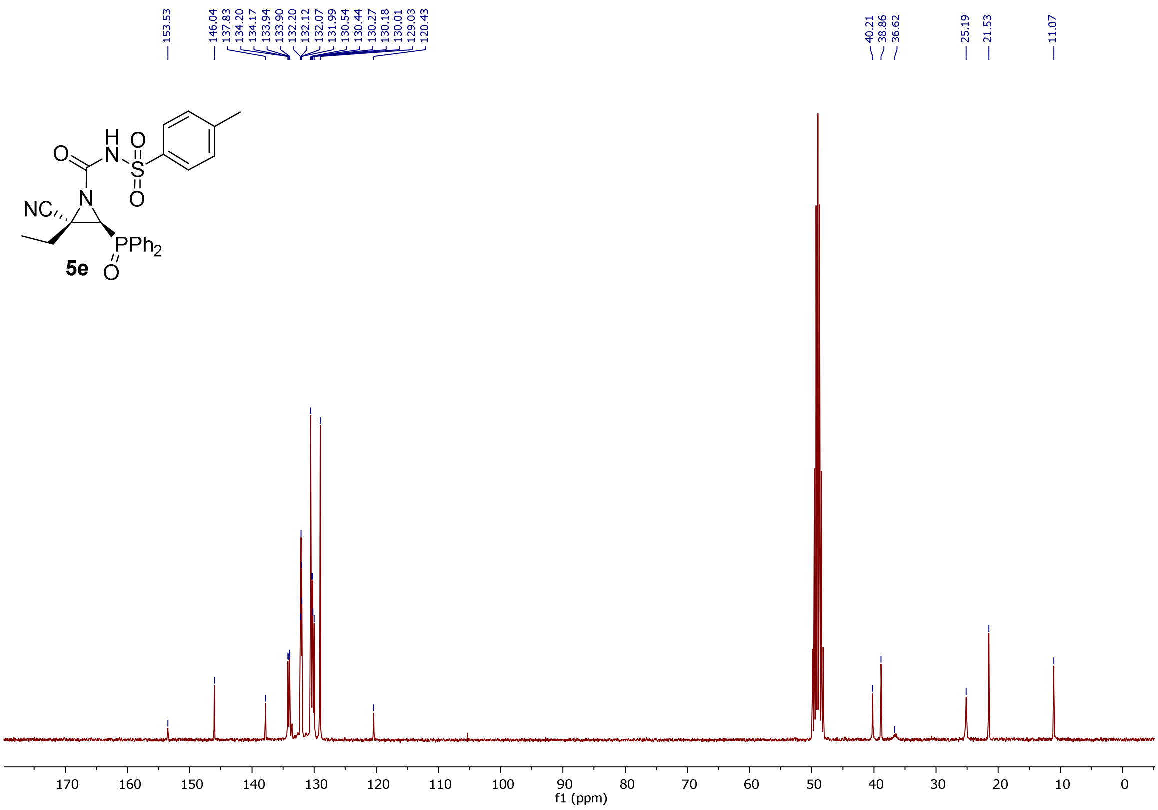
^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **5d**.



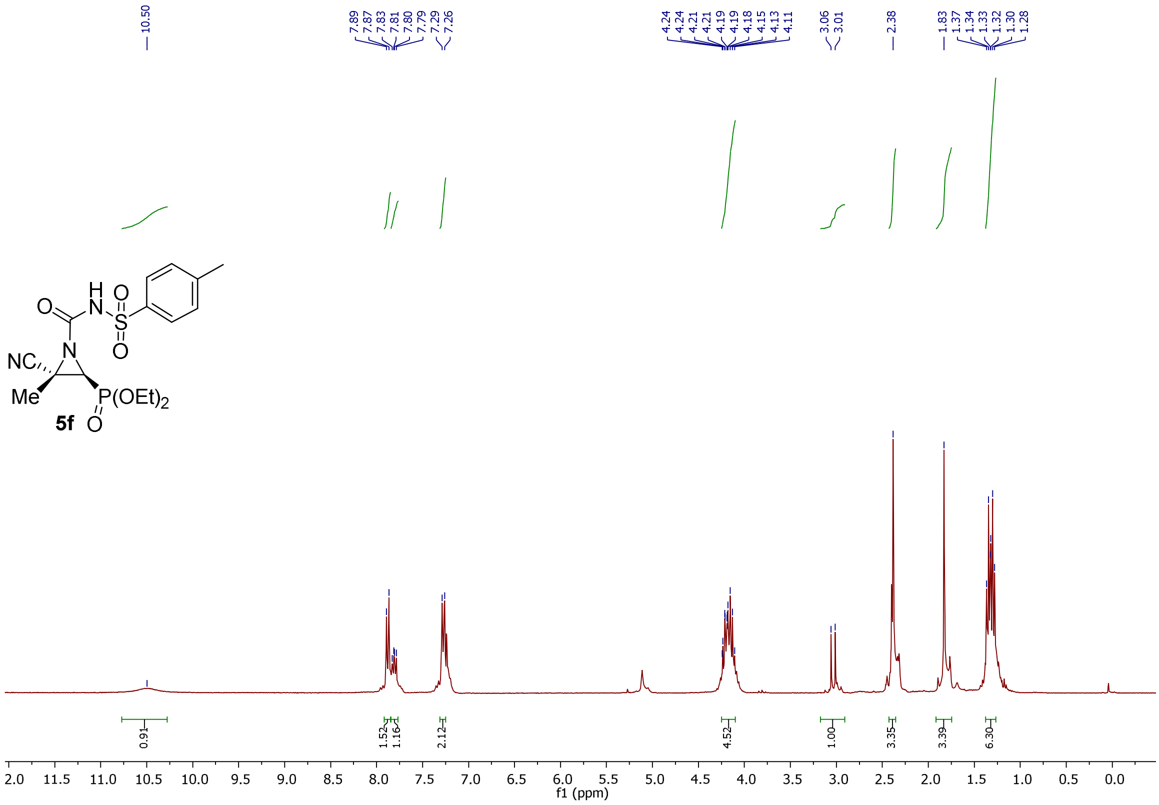
^{1}H NMR (400 MHz, MeOD) of compound **5e**.



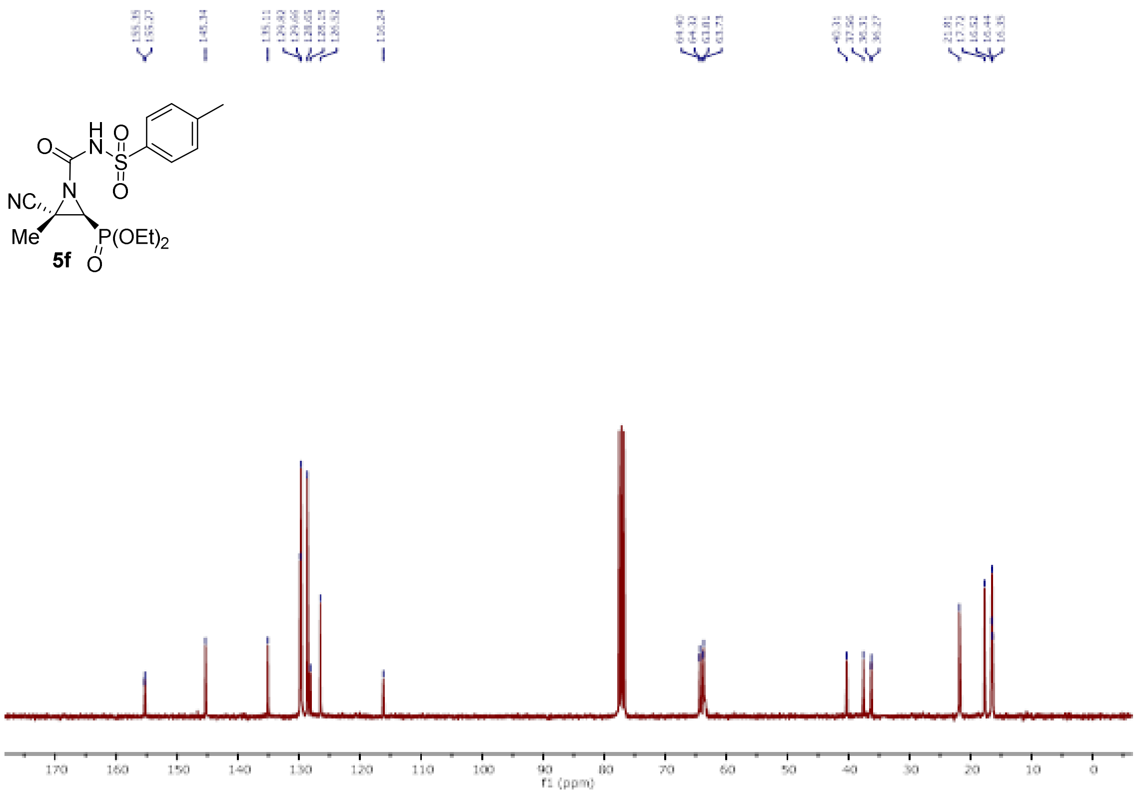
^{13}C {^{1}H} NMR (75 MHz, MeOD) of compound **5e**.



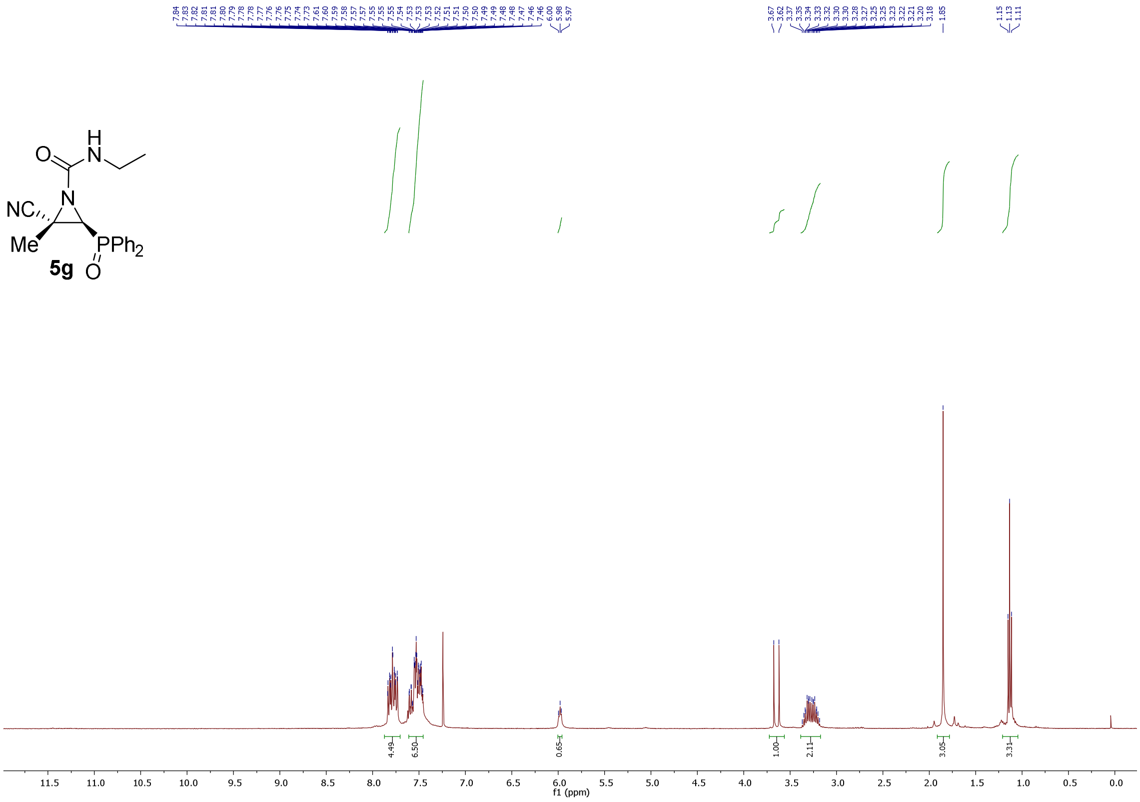
^{1}H NMR (300 MHz, $CDCl_3$) of compound **5f**.



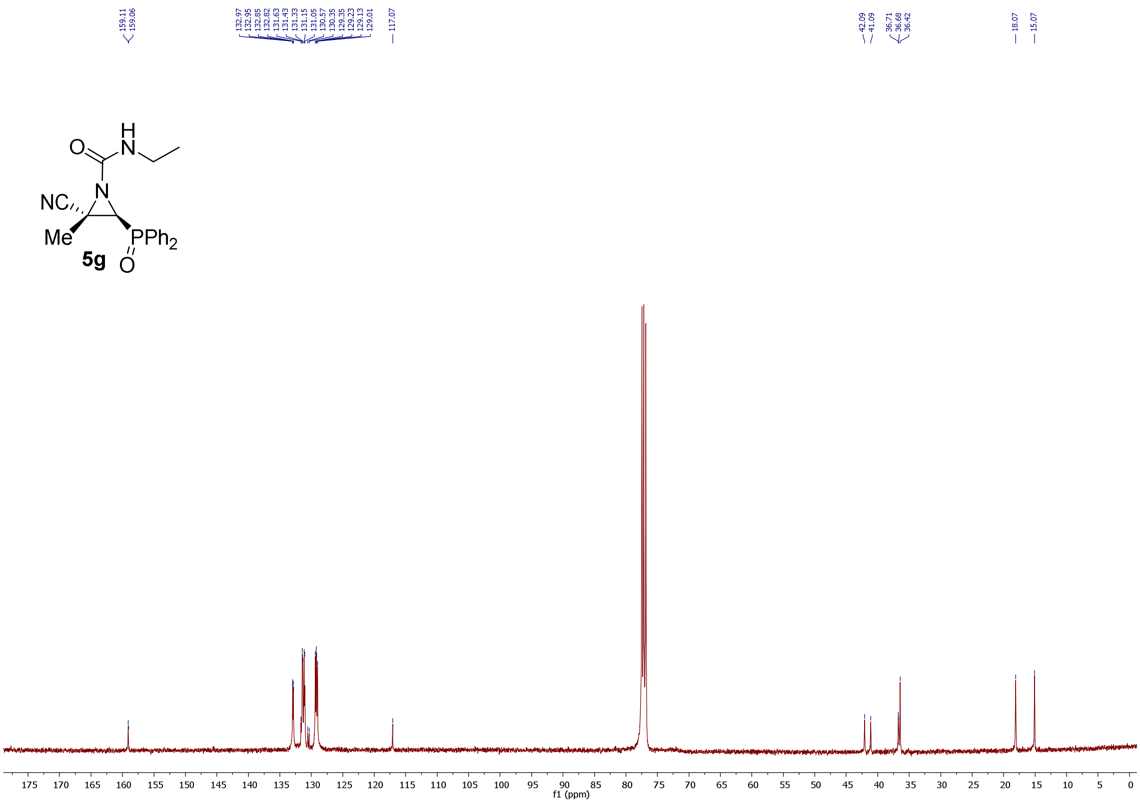
^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **5f**.



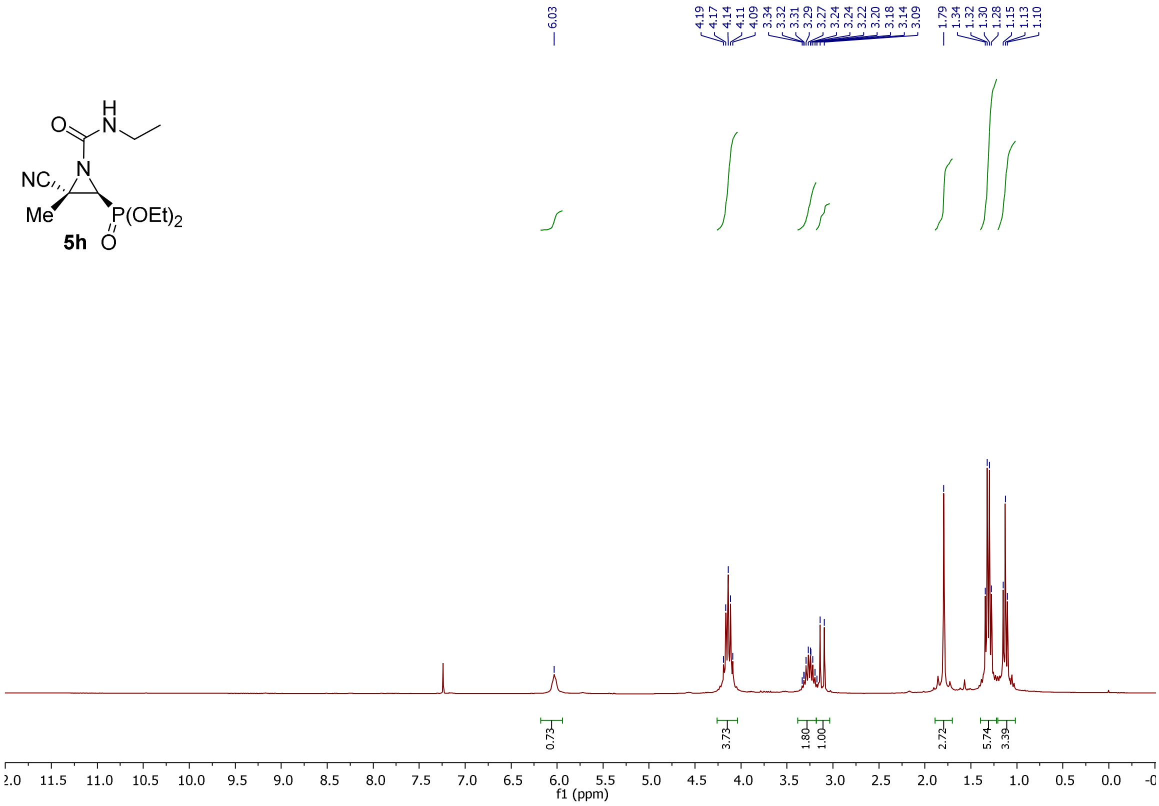
^{1}H NMR (400 MHz, $CDCl_3$) of compound **5g**.



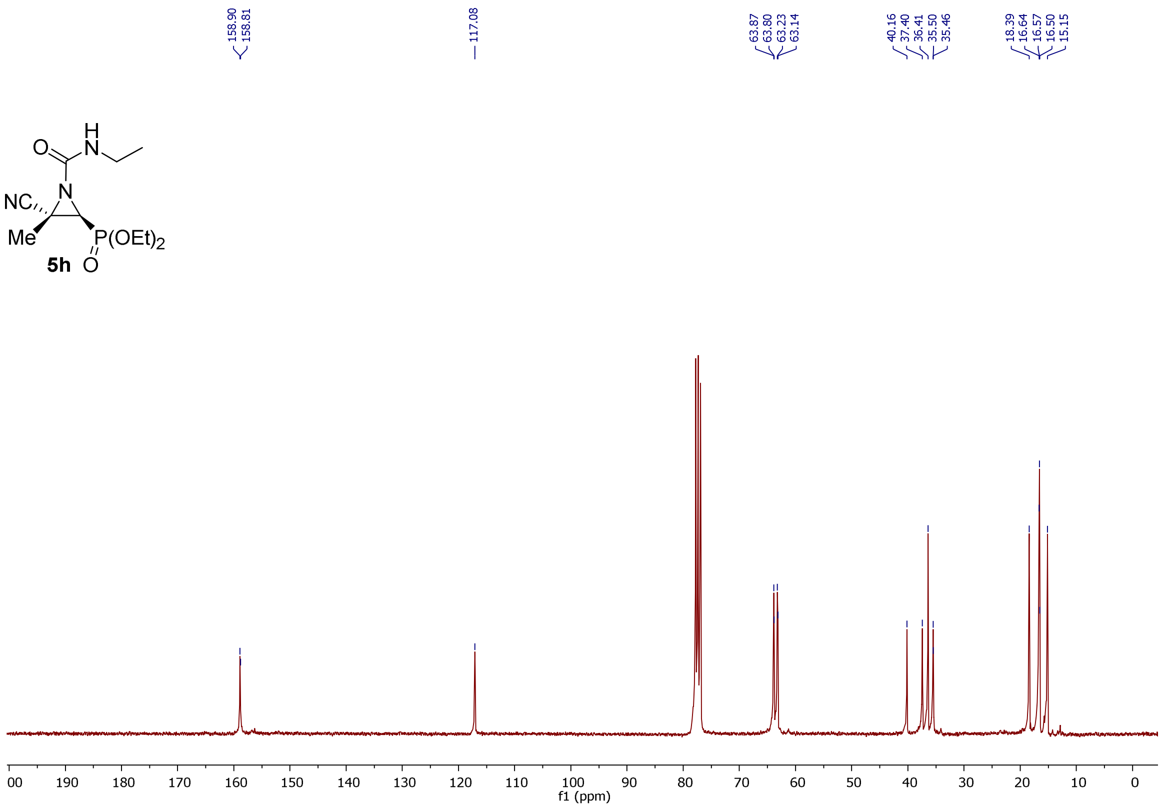
^{13}C {^{1}H} NMR (100 MHz, $CDCl_3$) of compound **5g**.



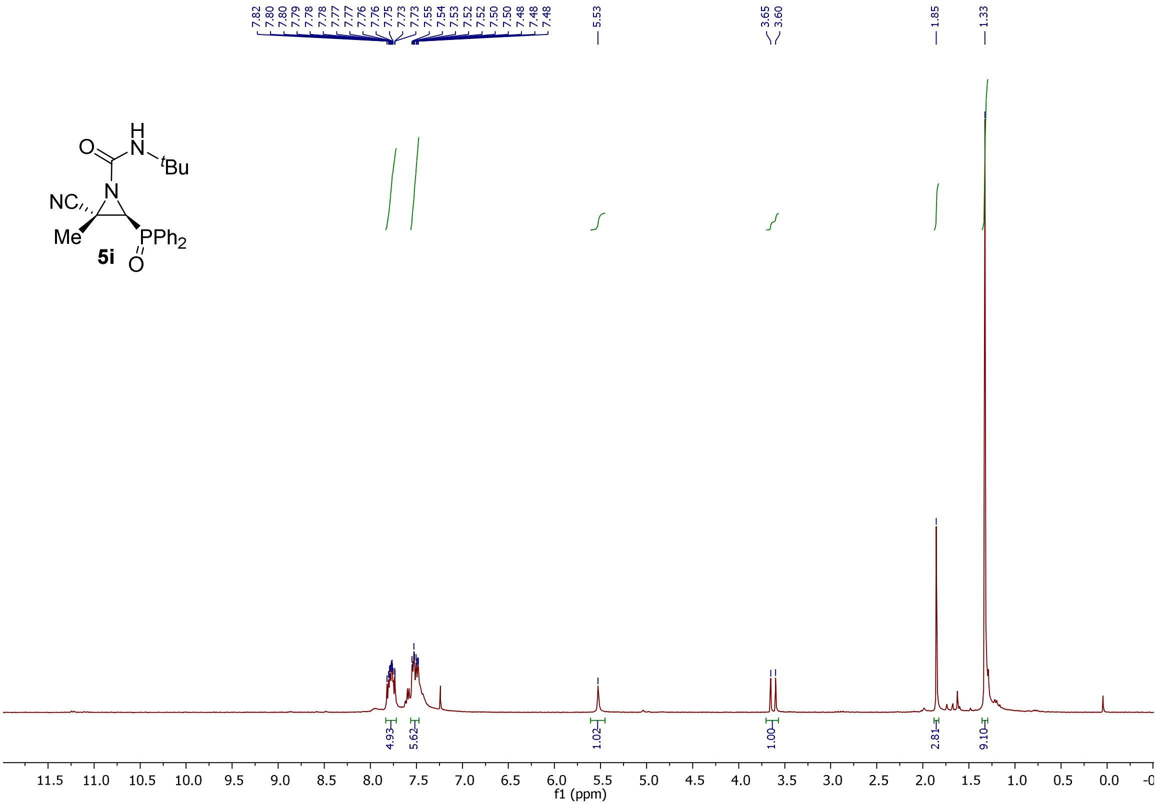
[1]H NMR (300 MHz, $CDCl_3$) of compound **5h**.



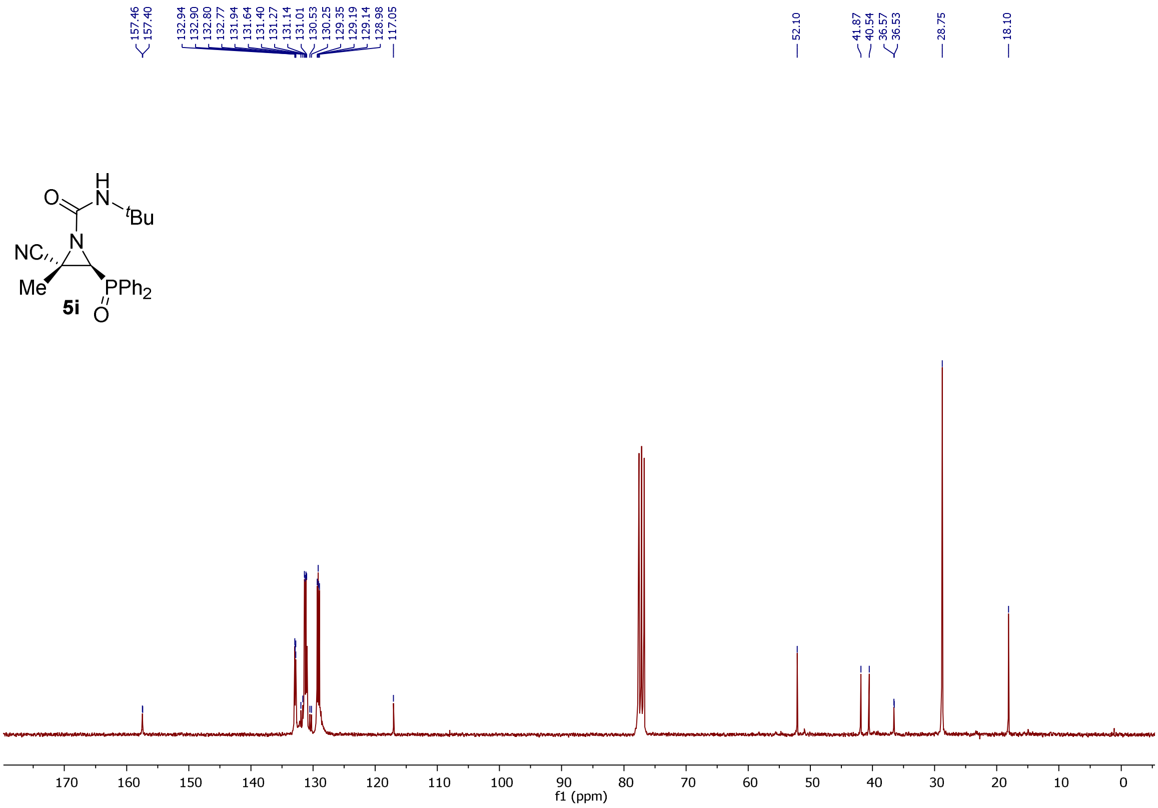
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **5h**.



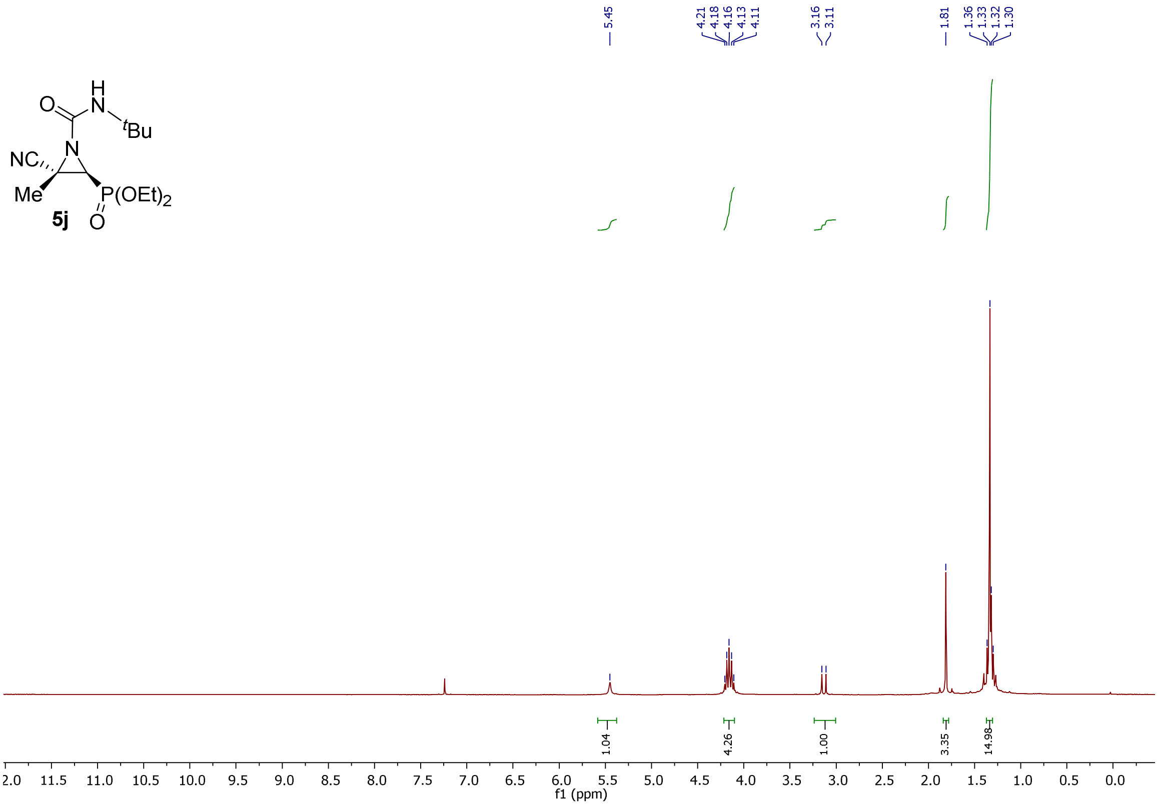
^{1}H NMR (400 MHz, $CDCl_3$) of compound **5i**.



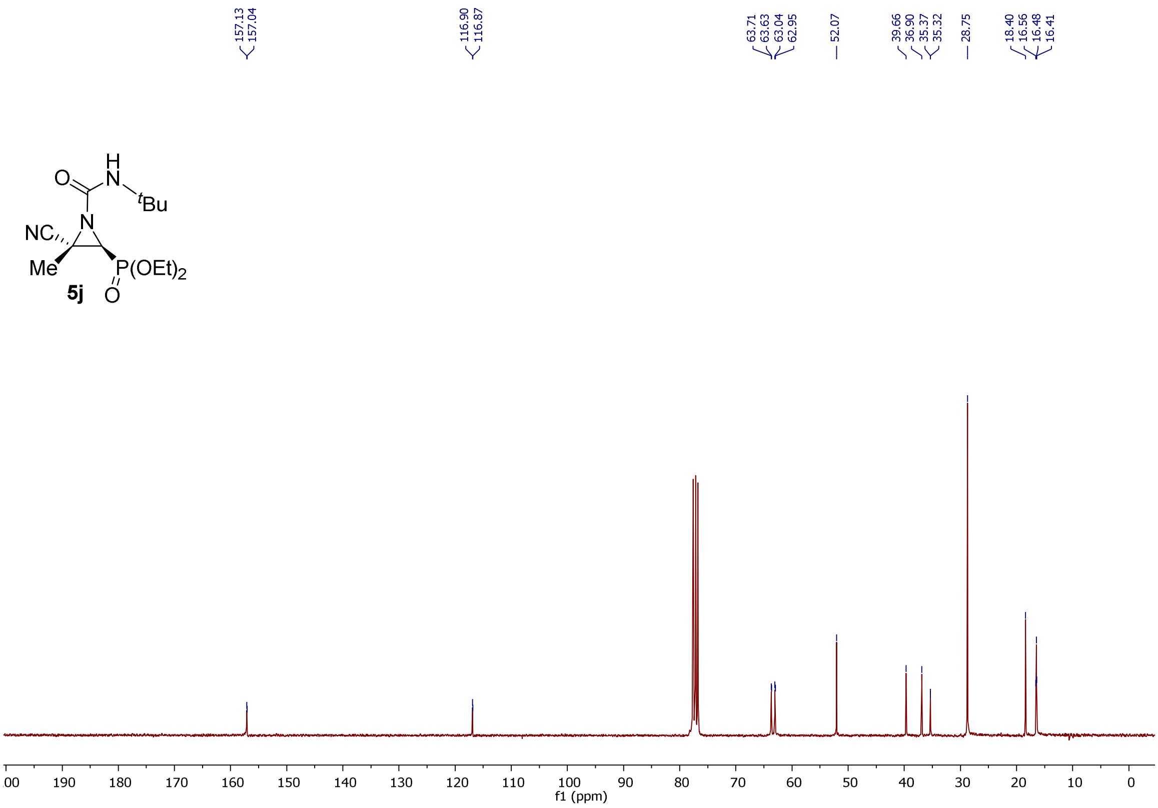
^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **5i**.



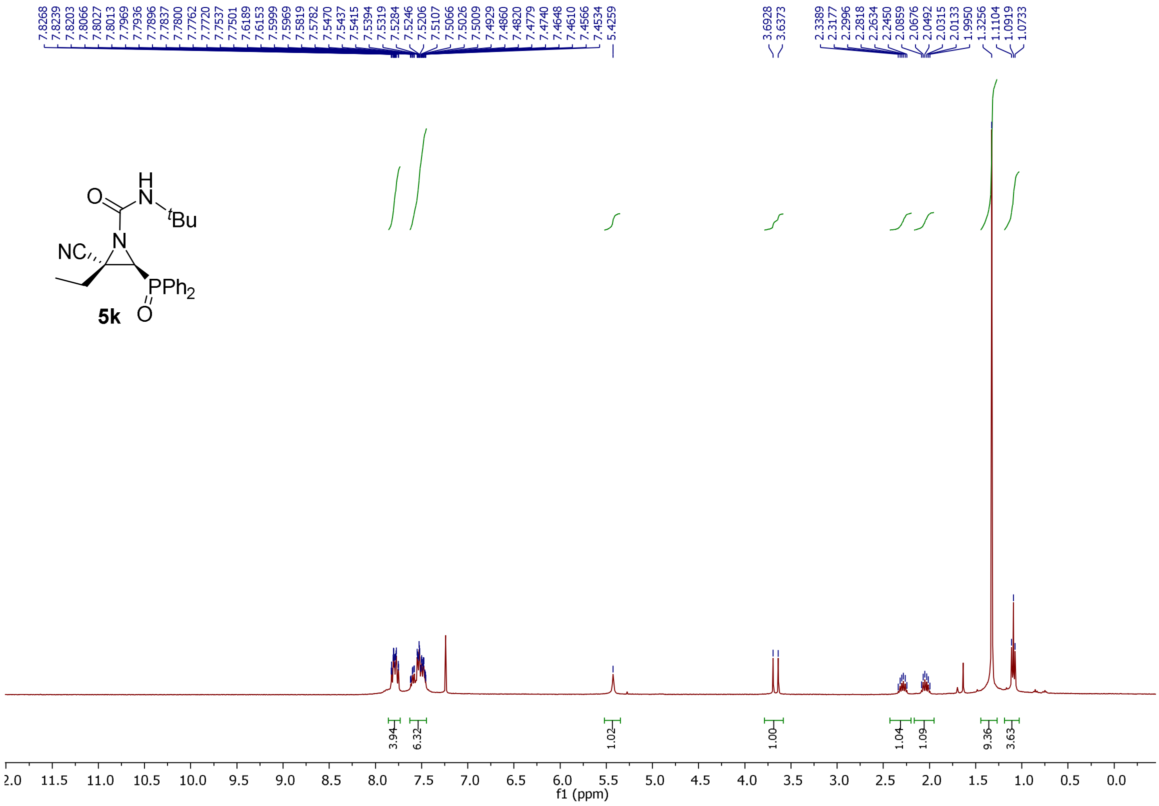
^{1}H NMR (300 MHz, $CDCl_3$) of compound **5j**.



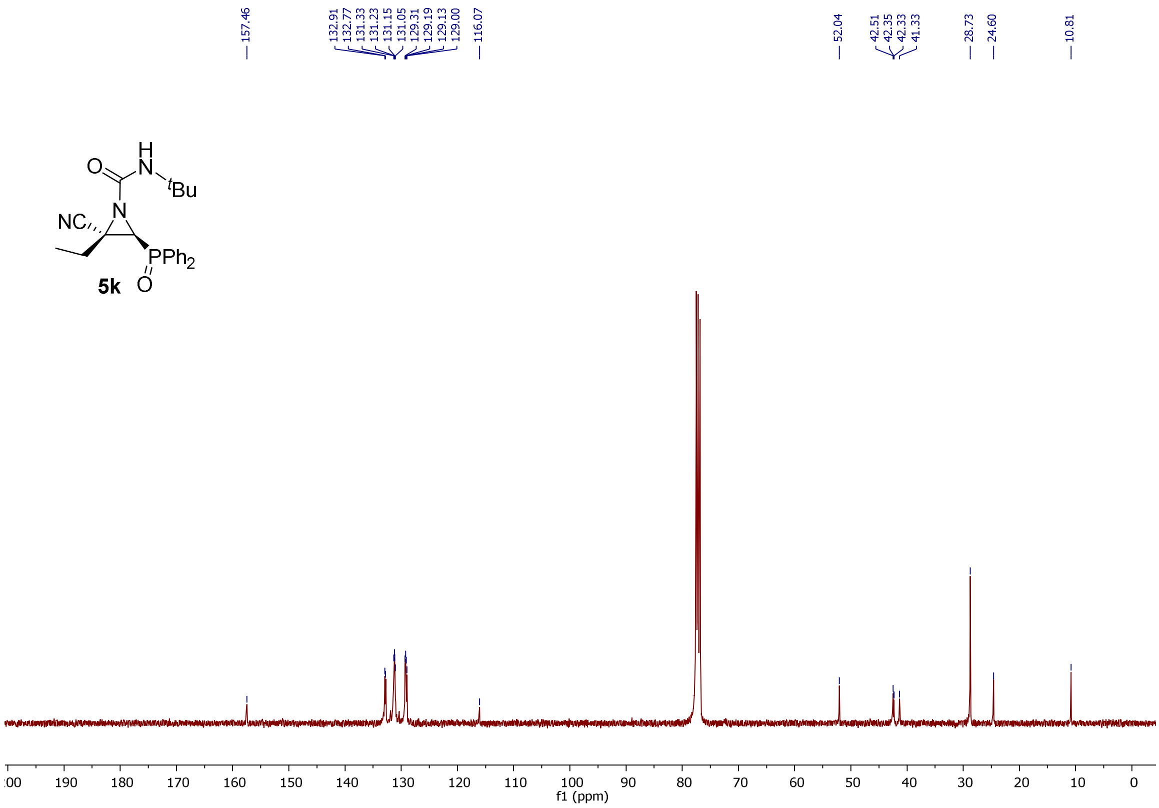
^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **5j**.



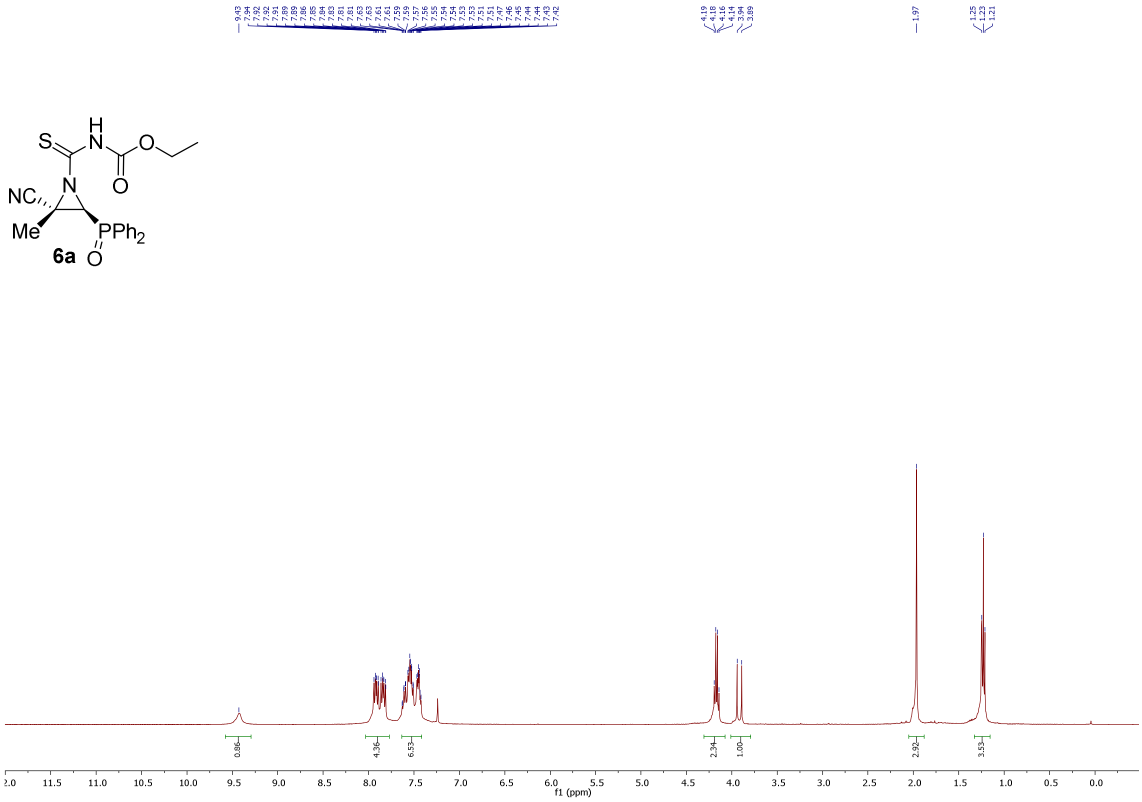
^{1}H NMR (400 MHz, $CDCl_3$) of compound **5k**.



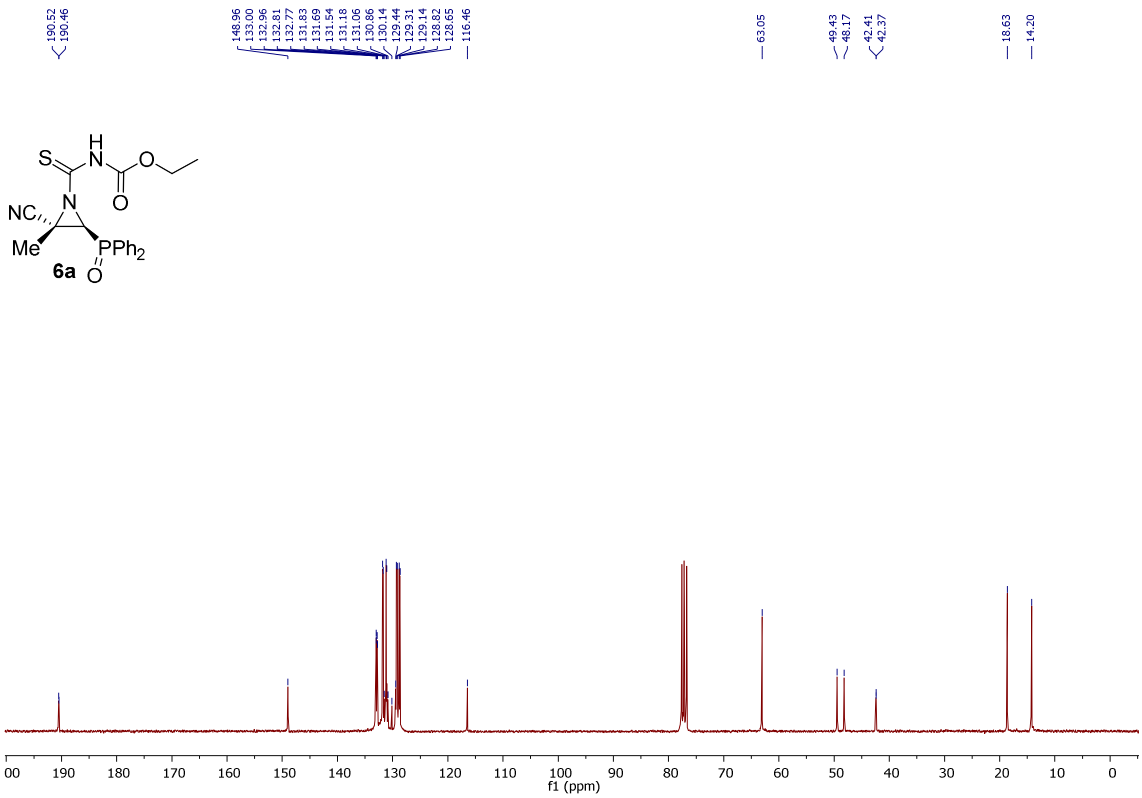
^{13}C {^{1}H} NMR (100 MHz, $CDCl_3$) of compound **5k**.



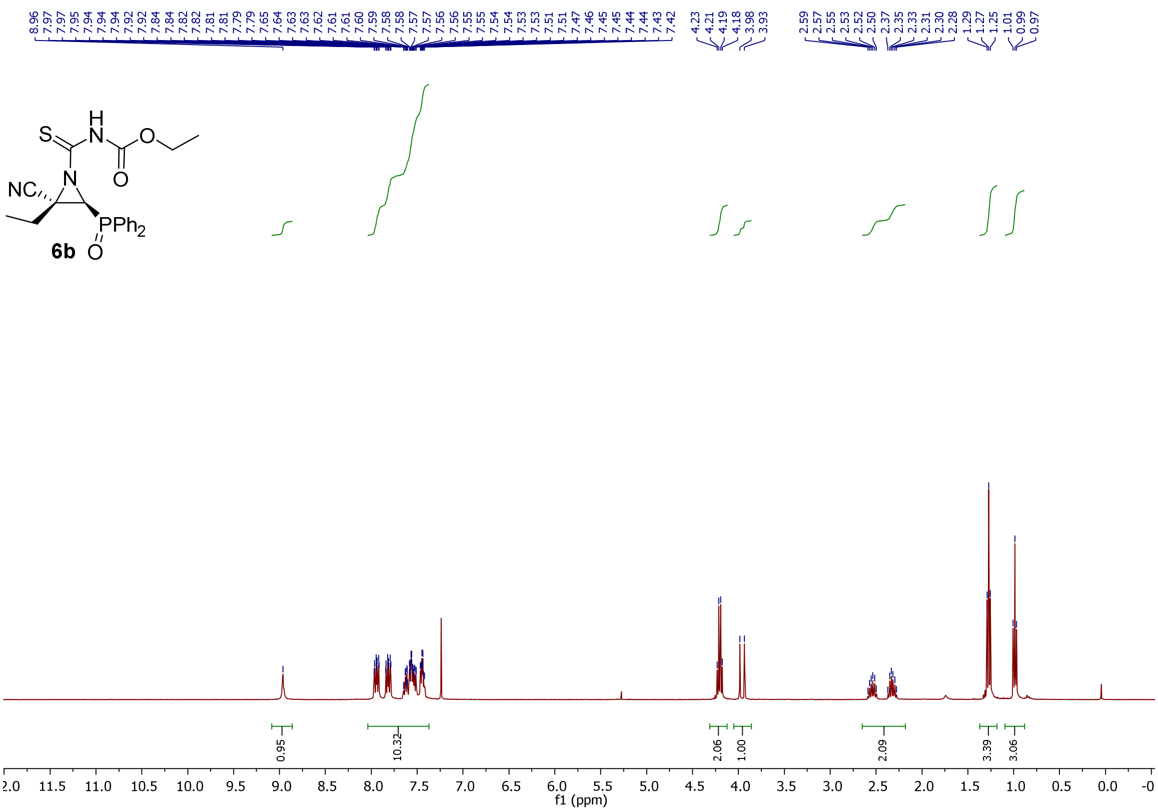
^{1}H NMR (400 MHz, $CDCl_3$) of compound **6a**.



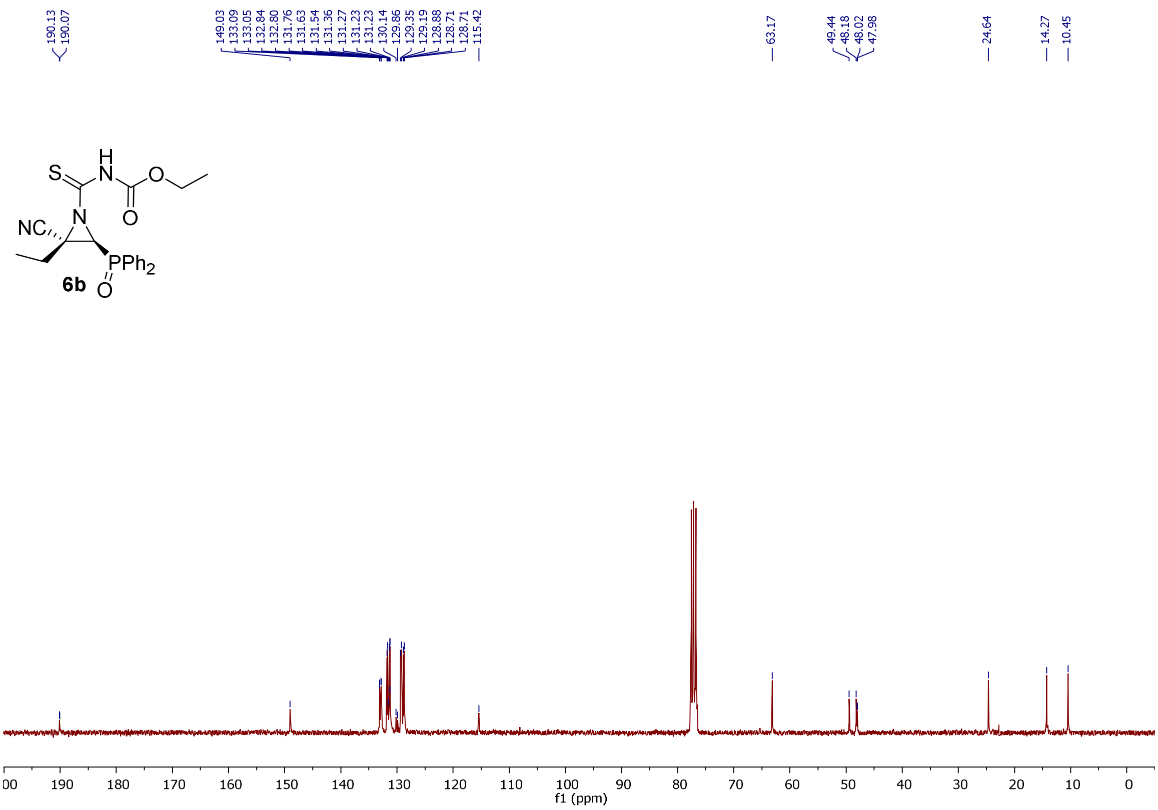
^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **6a**.



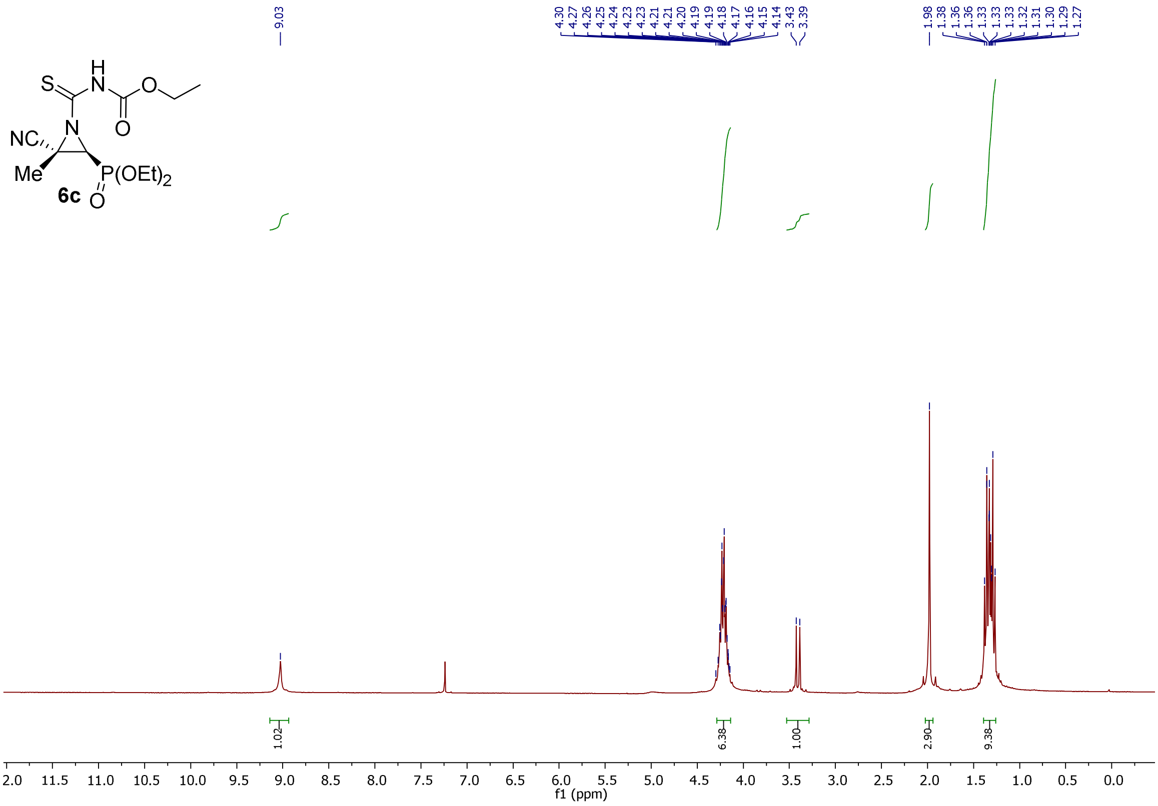
[1]H NMR (400 MHz, $CDCl_3$) of compound **6b**.



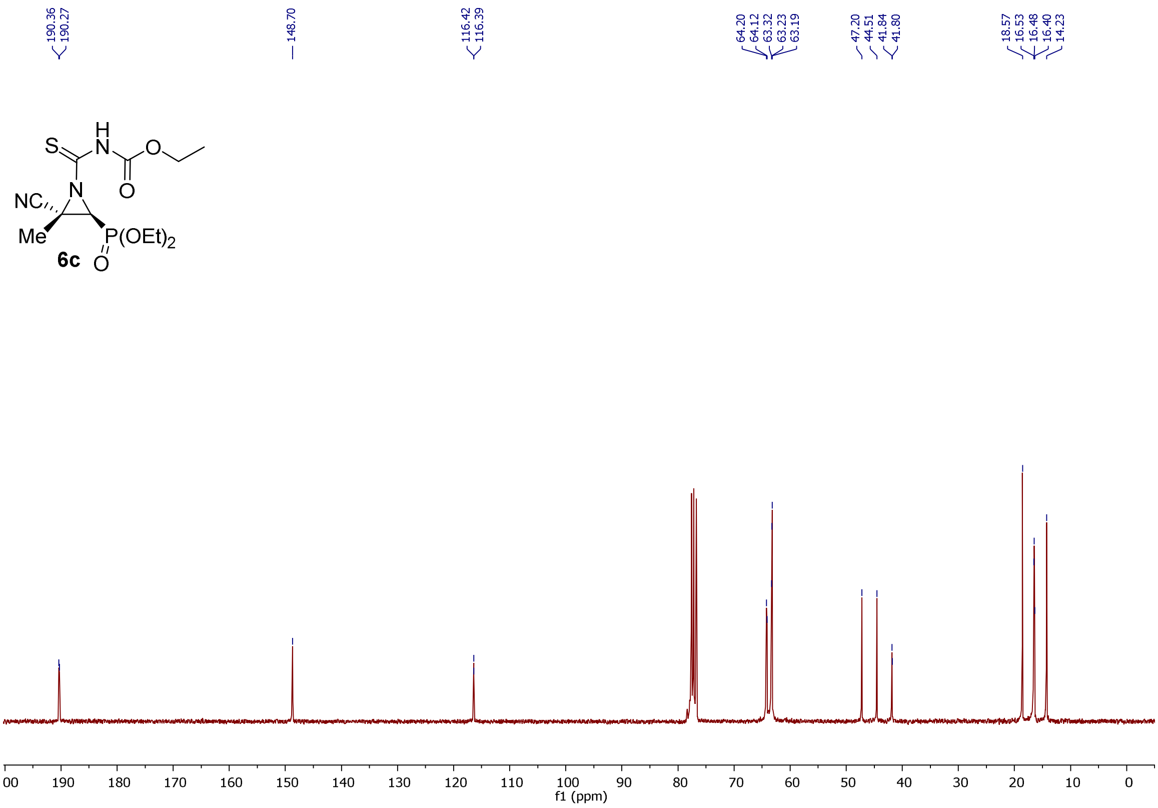
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **6b**.



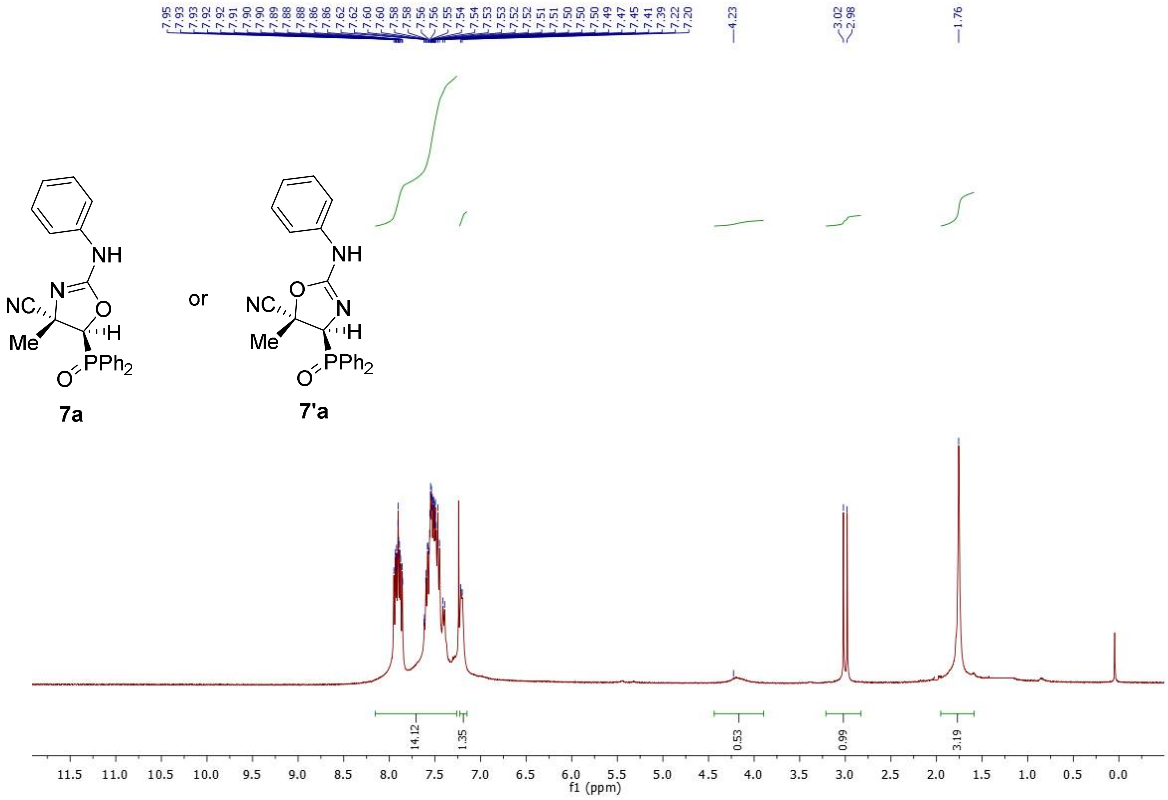
[1]H NMR (300 MHz, $CDCl_3$) of compound **6c**.



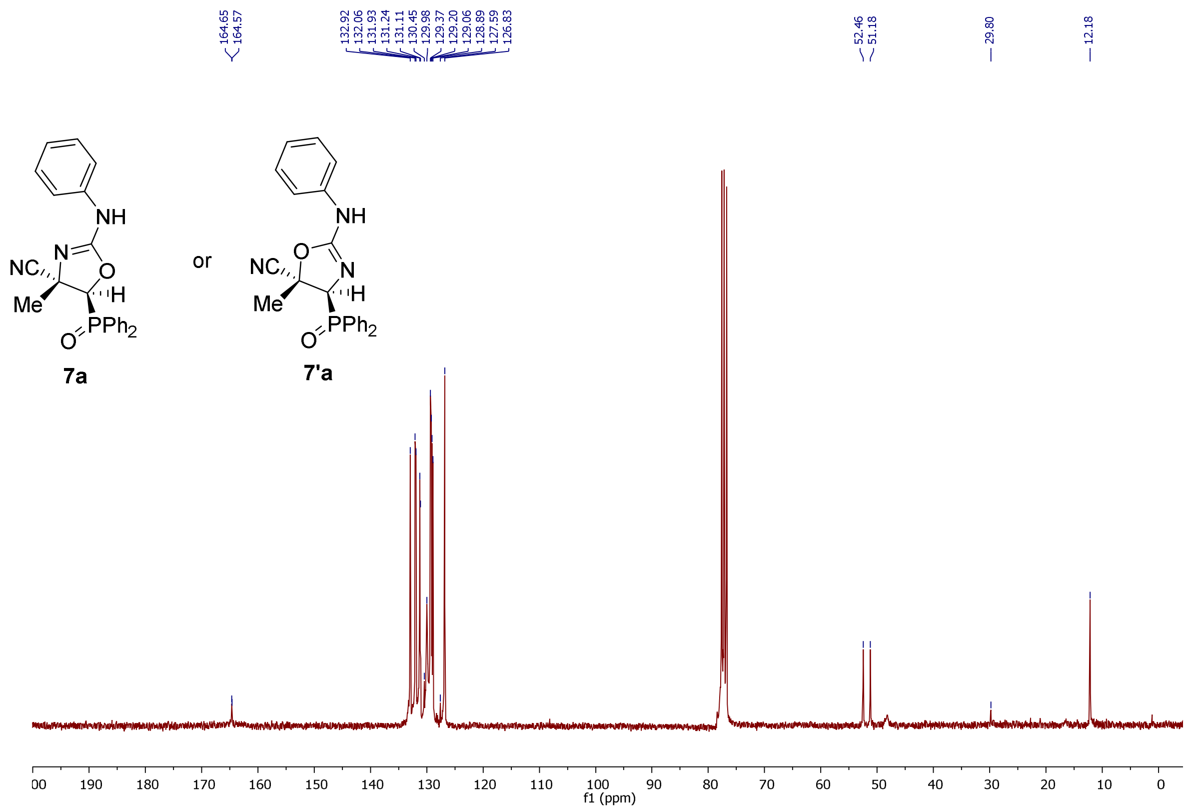
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **6c**.



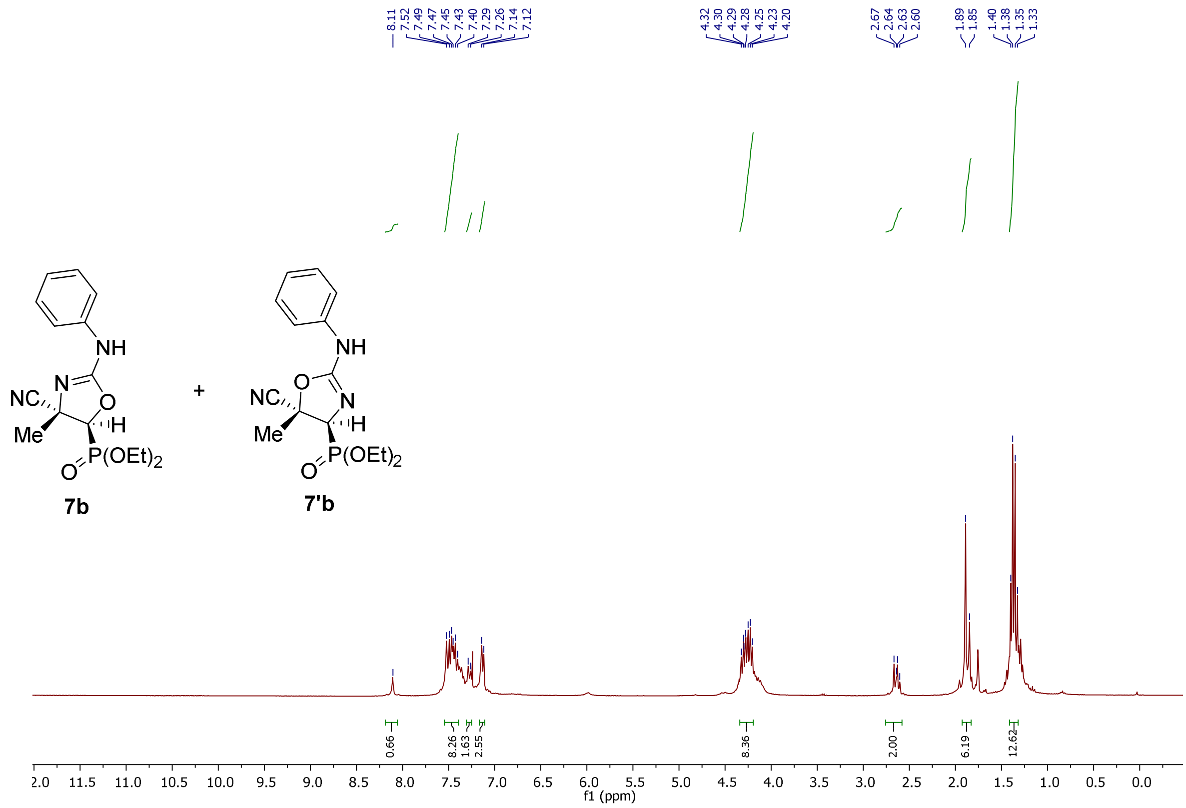
[1]H NMR (400 MHz, CDCl₃) of compound **7a** or **7′a**.



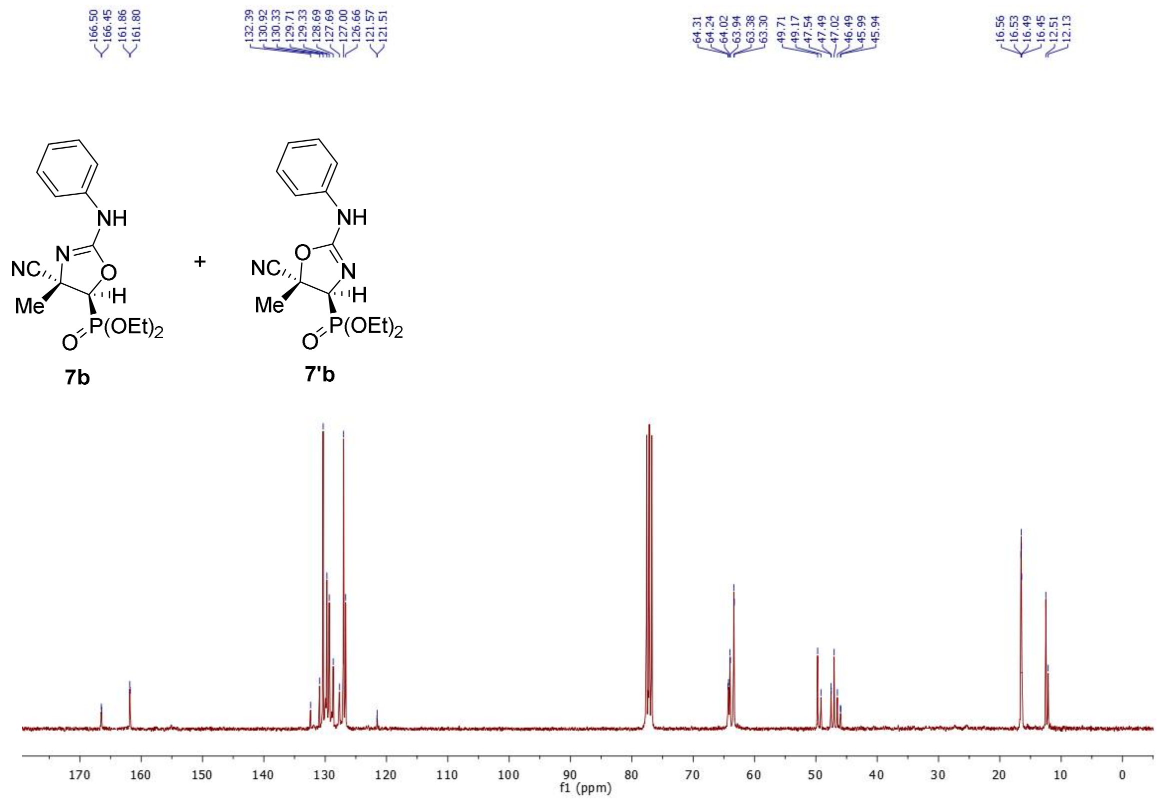
[13]C {[1]H} NMR (75 MHz, CDCl₃) of compound **7a** or **7′a**.



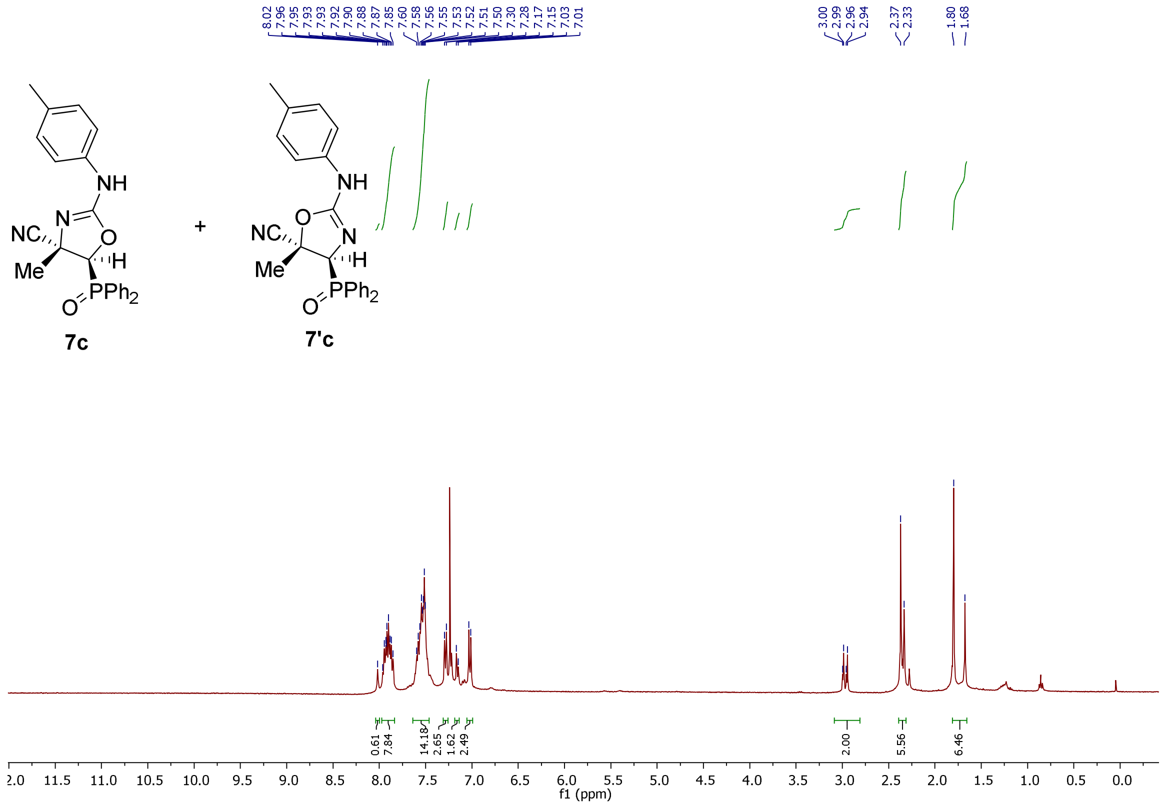
[1]H NMR (300 MHz, $CDCl_3$) of compound **7b + 7′b**.



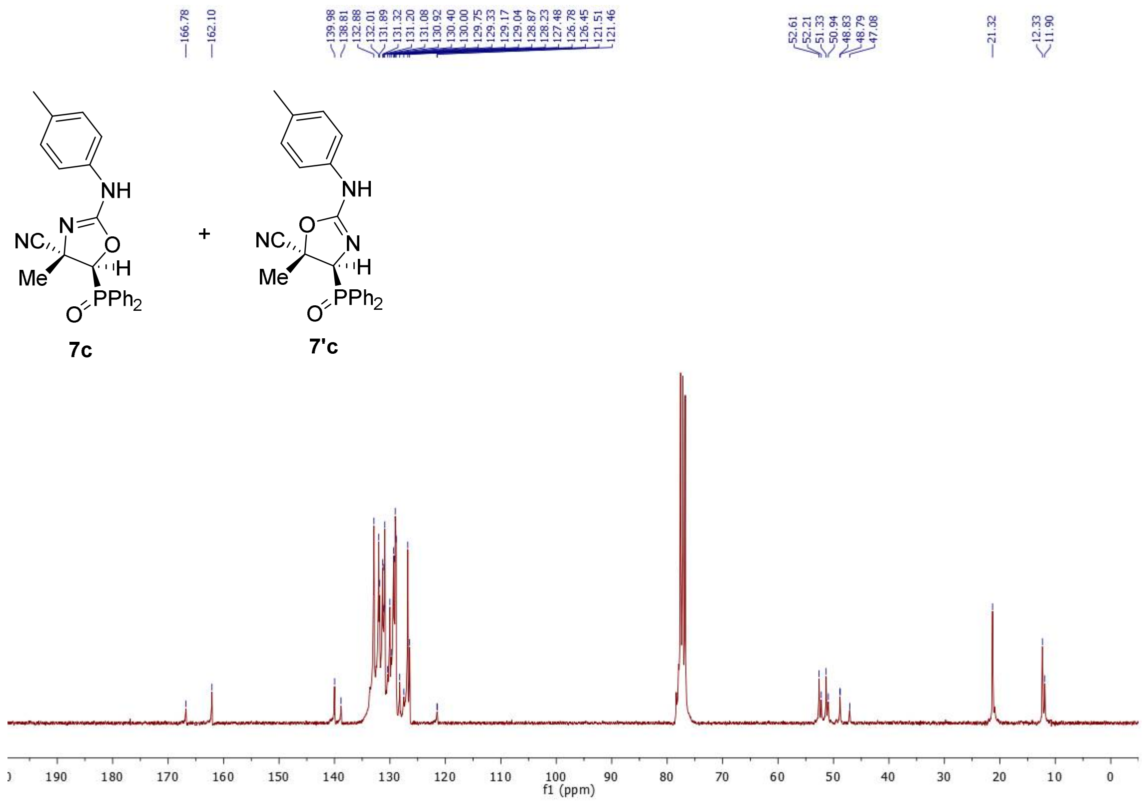
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **7b + 7′b**.



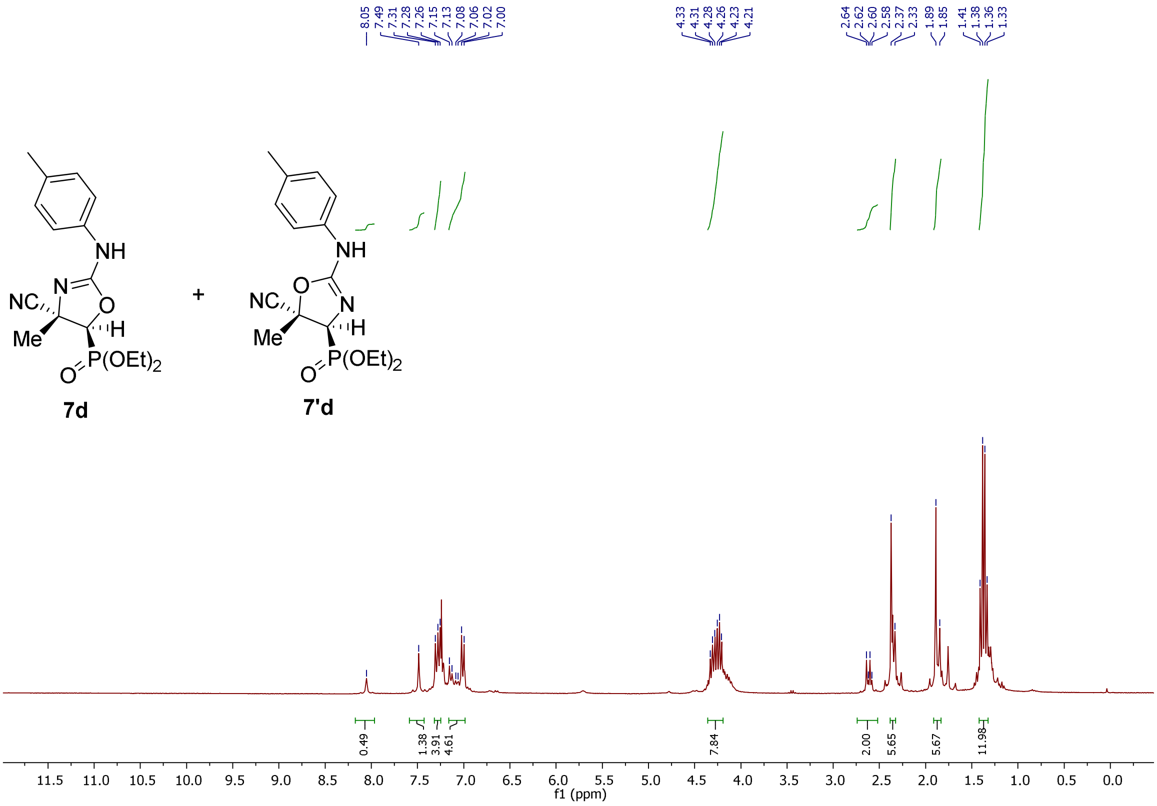
[1]H NMR (400 MHz, $CDCl_3$) of compound **7c + 7′c**.



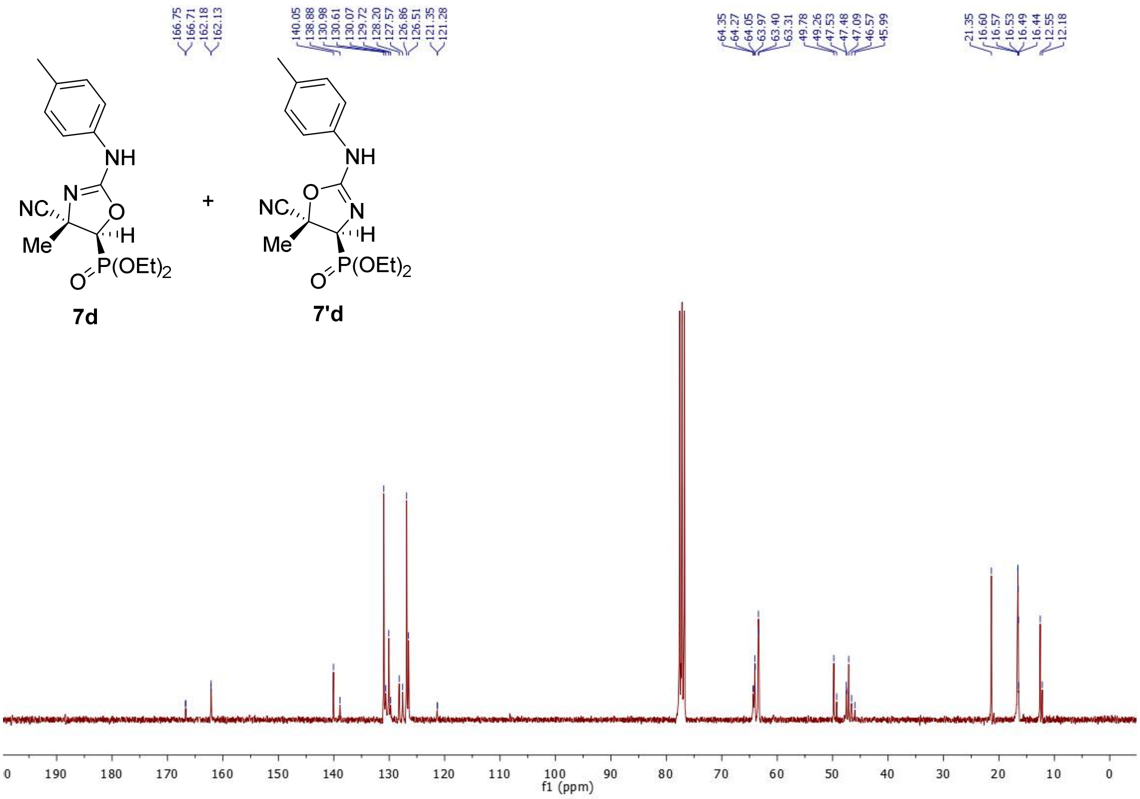
[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **7c + 7′c**.



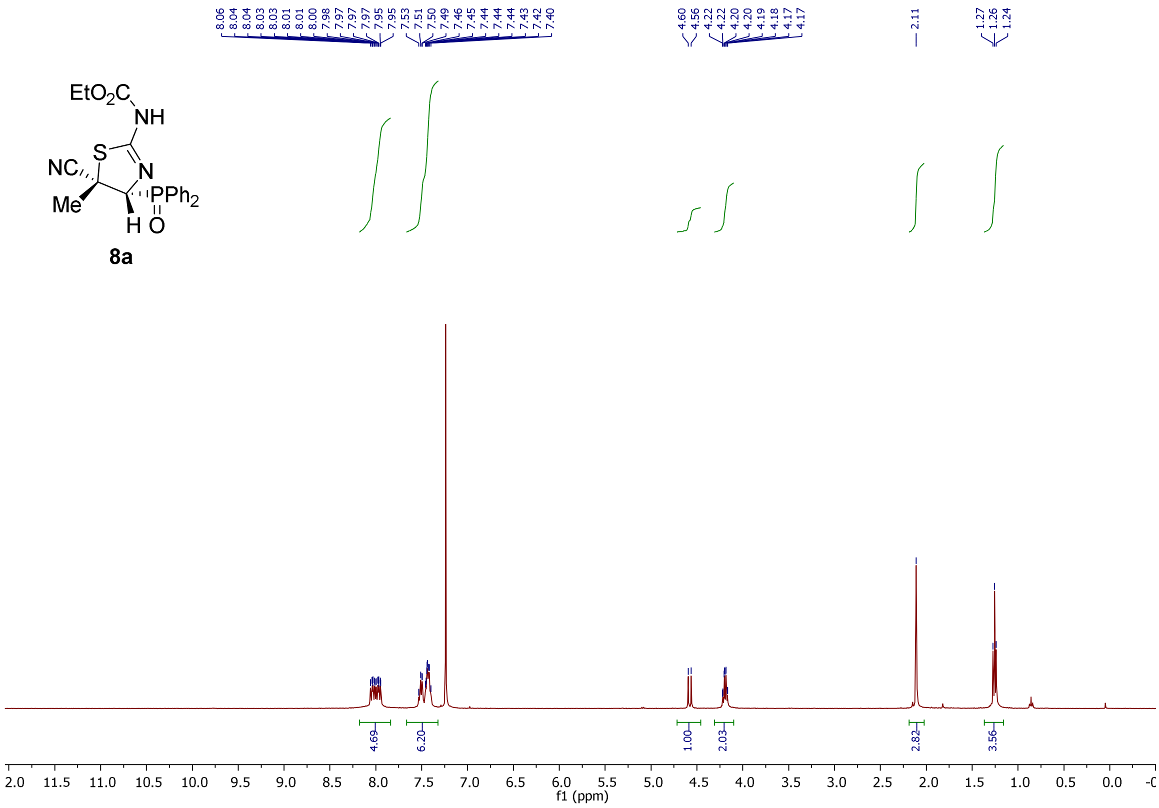
^{1}H NMR (300 MHz, $CDCl_3$) of compound **7d + 7’d**.



^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **7d + 7’d**.



[1]H NMR (400 MHz, $CDCl_3$) of compound **8a**.



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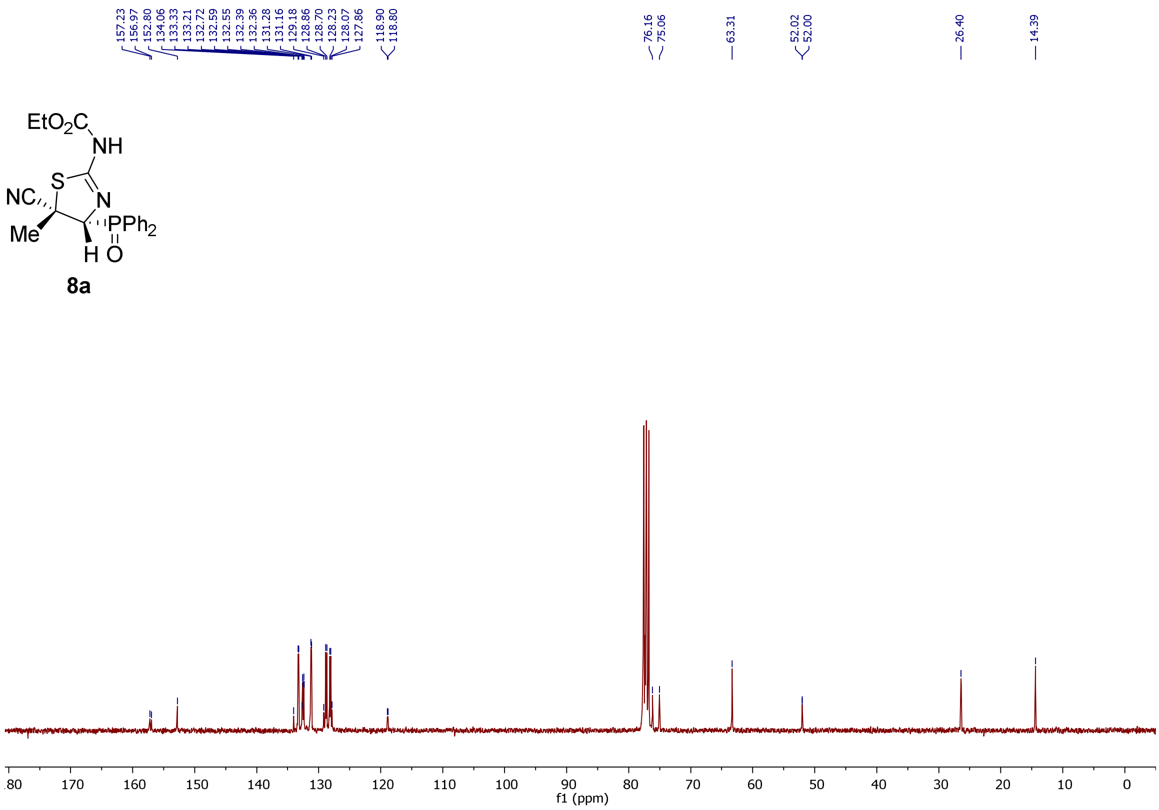
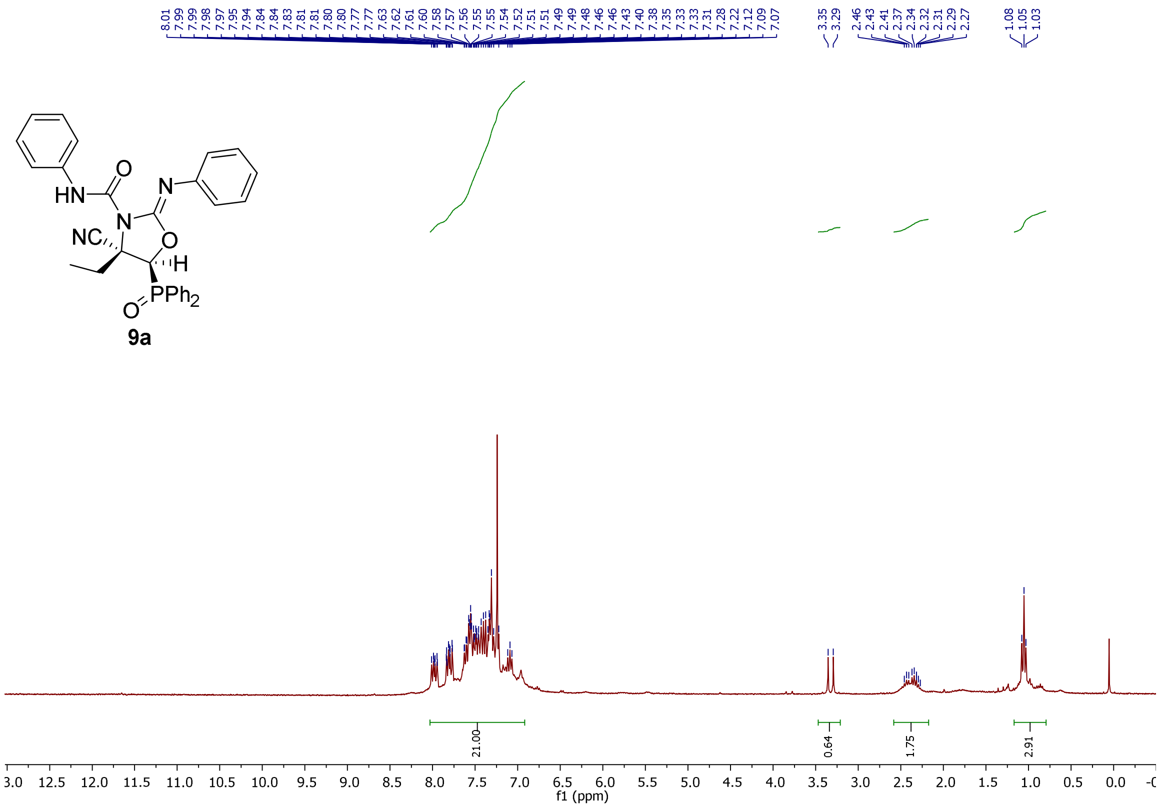


^{1}H NMR (300 MHz, $CDCl_3$) of compound **9a**.



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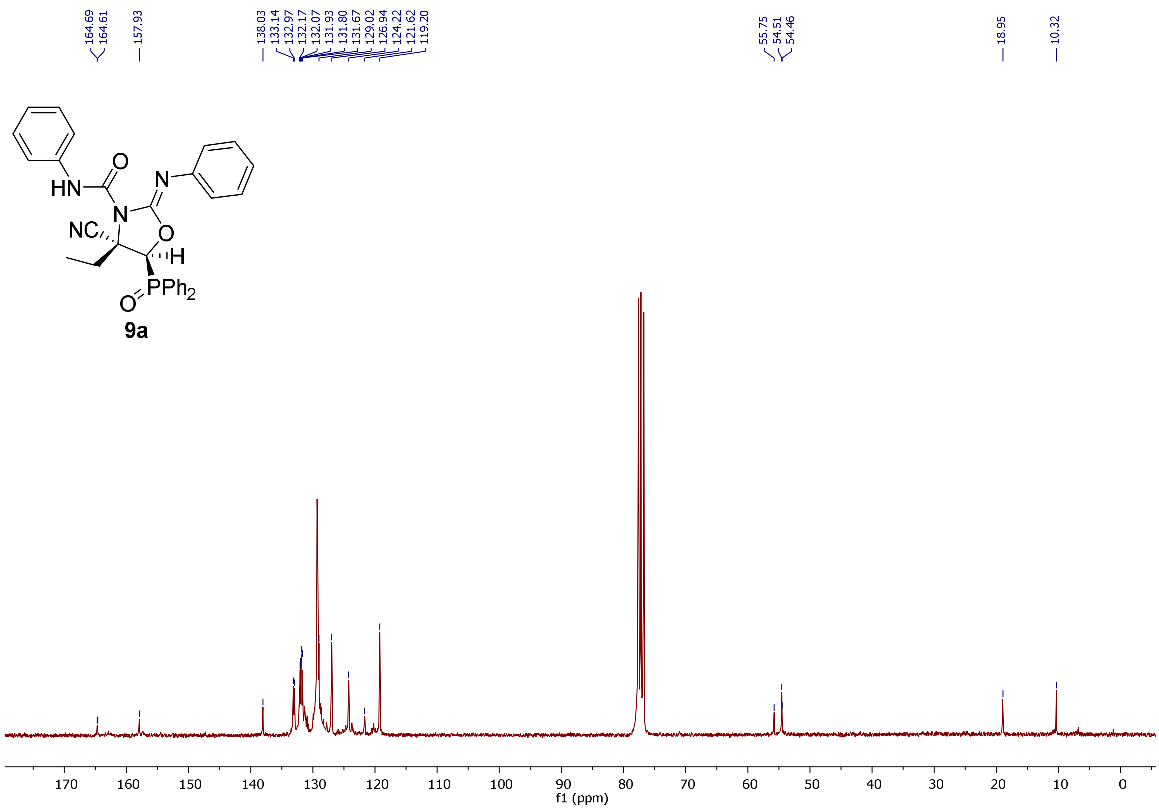
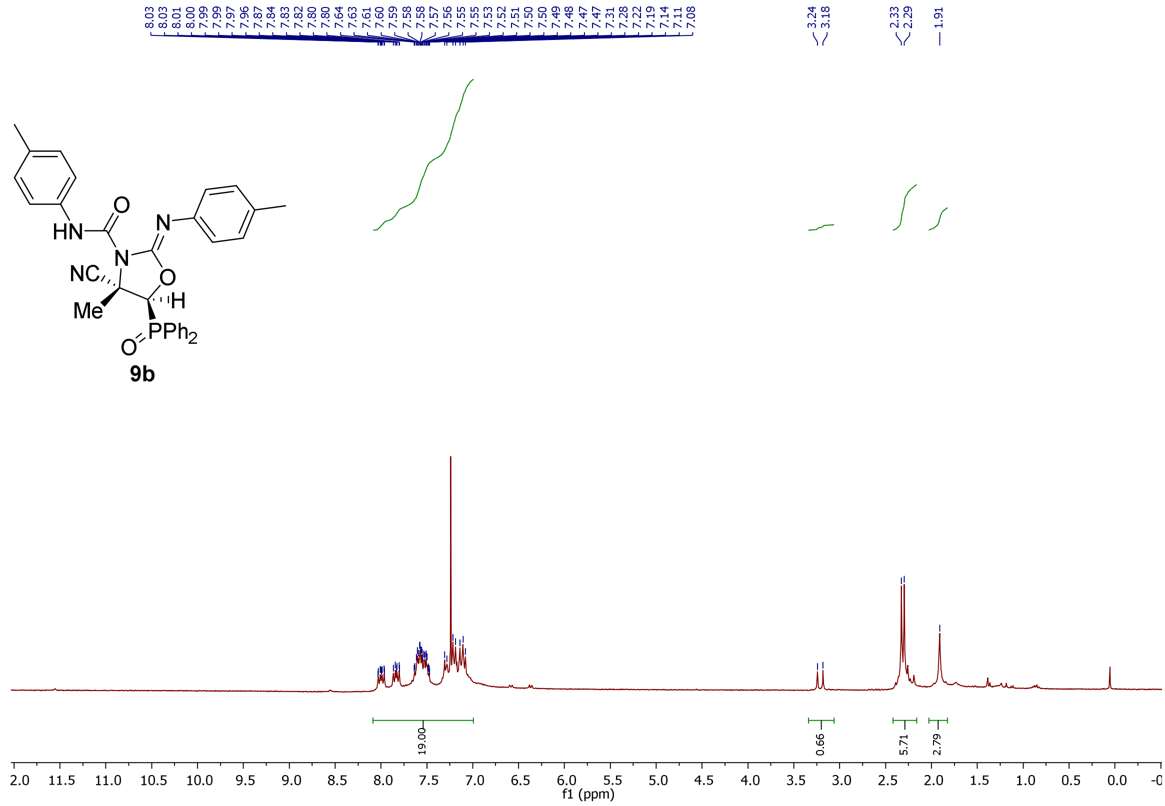
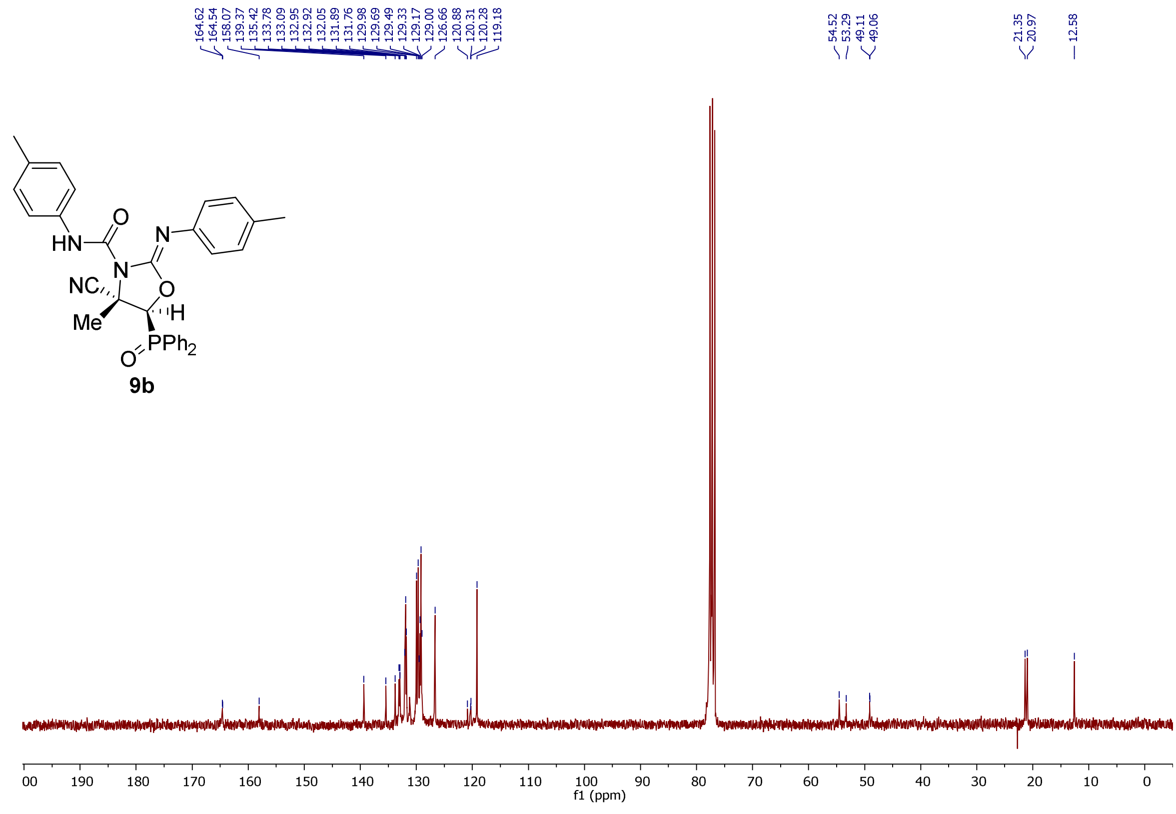


^{1}H NMR (300 MHz, $CDCl_3$) of compound **9b**.



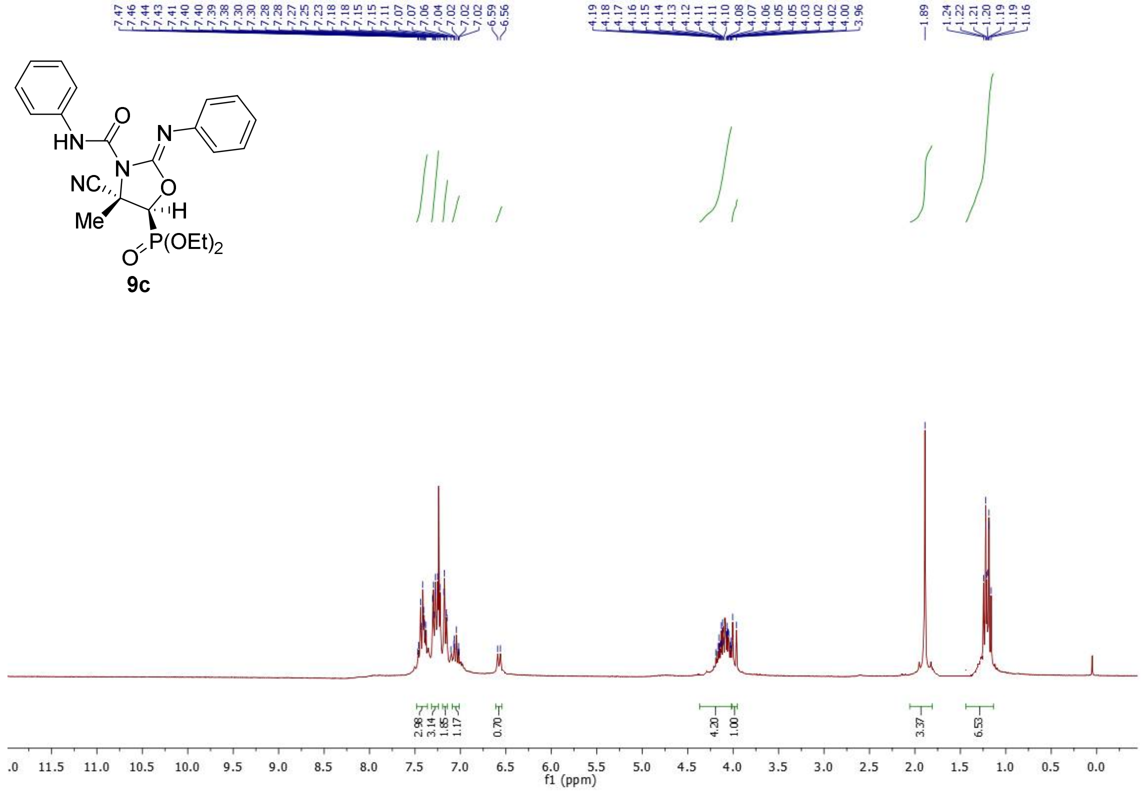
9b

^{13}C {^{1}H} NMR (75 MHz, $CDCl_3$) of compound **9b**.



9b

[1]H NMR (300 MHz, $CDCl_3$) of compound **9c**.



[13]C {[1]H} NMR (75 MHz, $CDCl_3$) of compound **9c**.