ARYLATION OF β,γ-UNSATURATED LACTONES BY A HECK-MATSUDA REACTION: AN UNEXPECTED ROUTE TO ARYLDIAZENE BUTENOLIDES AND PYRIDAZINONES[#]

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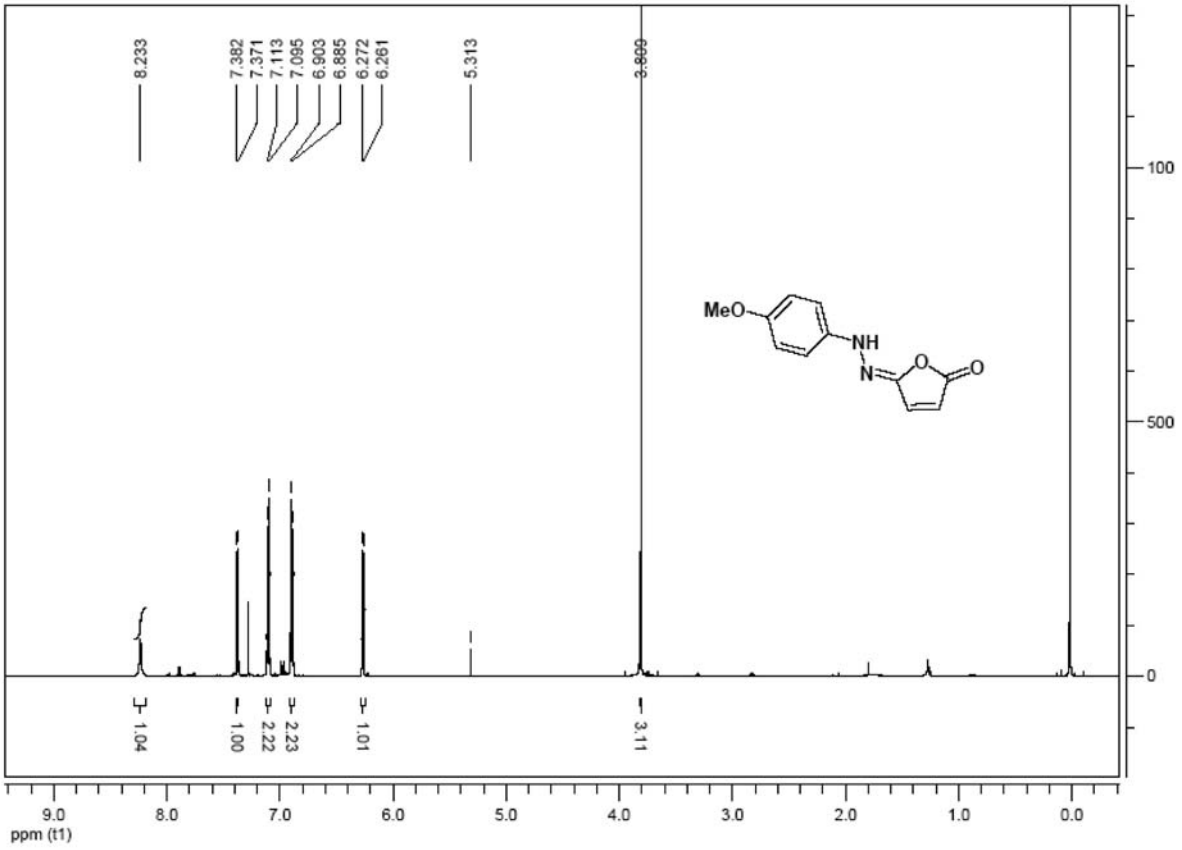

Figure 1S. *Compound **3**; ^{1}H NMR (500 MHz, $CDCl_3$).*

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[#]Dedicated to Professor Hans Viertler on the occasion of his 70th birthday and for his contributions towards the development of organic chemistry research in Brazil.

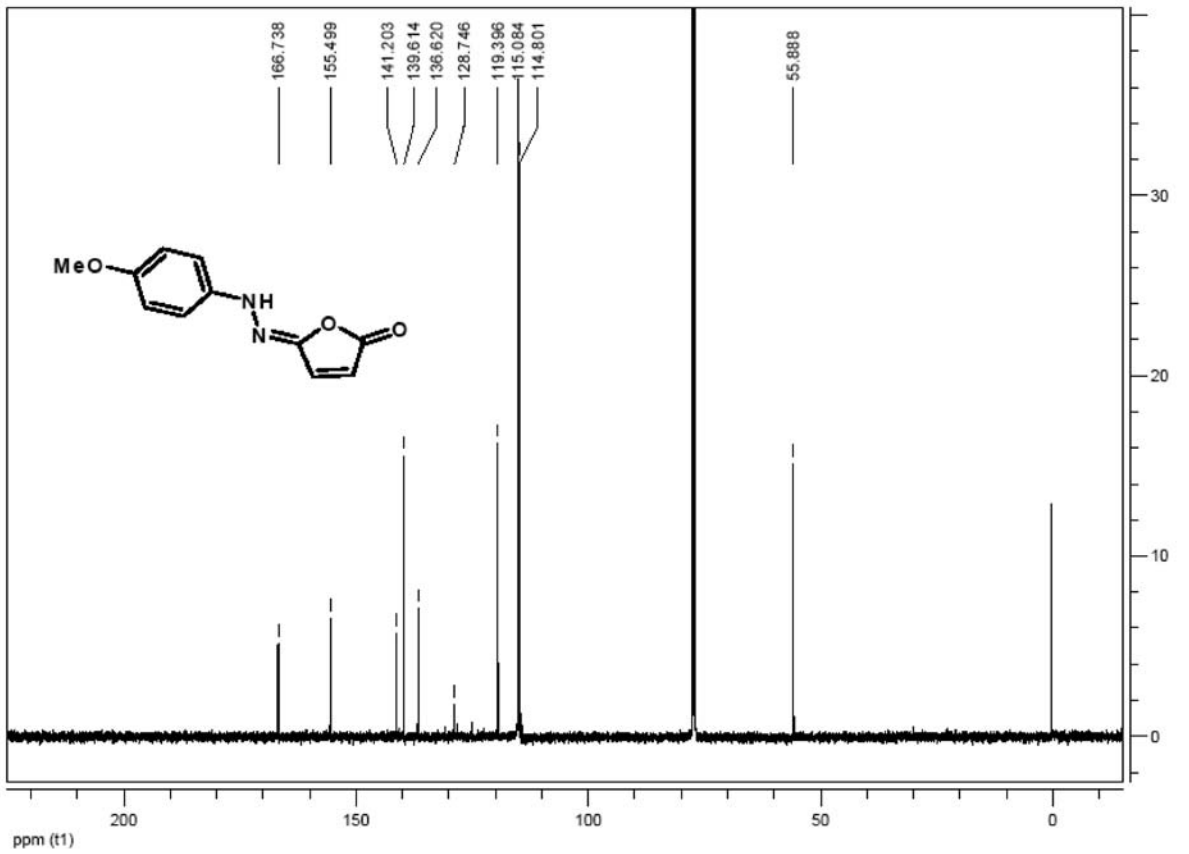

Figure 2S. *Compound **3**; ^{13}C NMR (125 MHz, $CDCl_3$).*

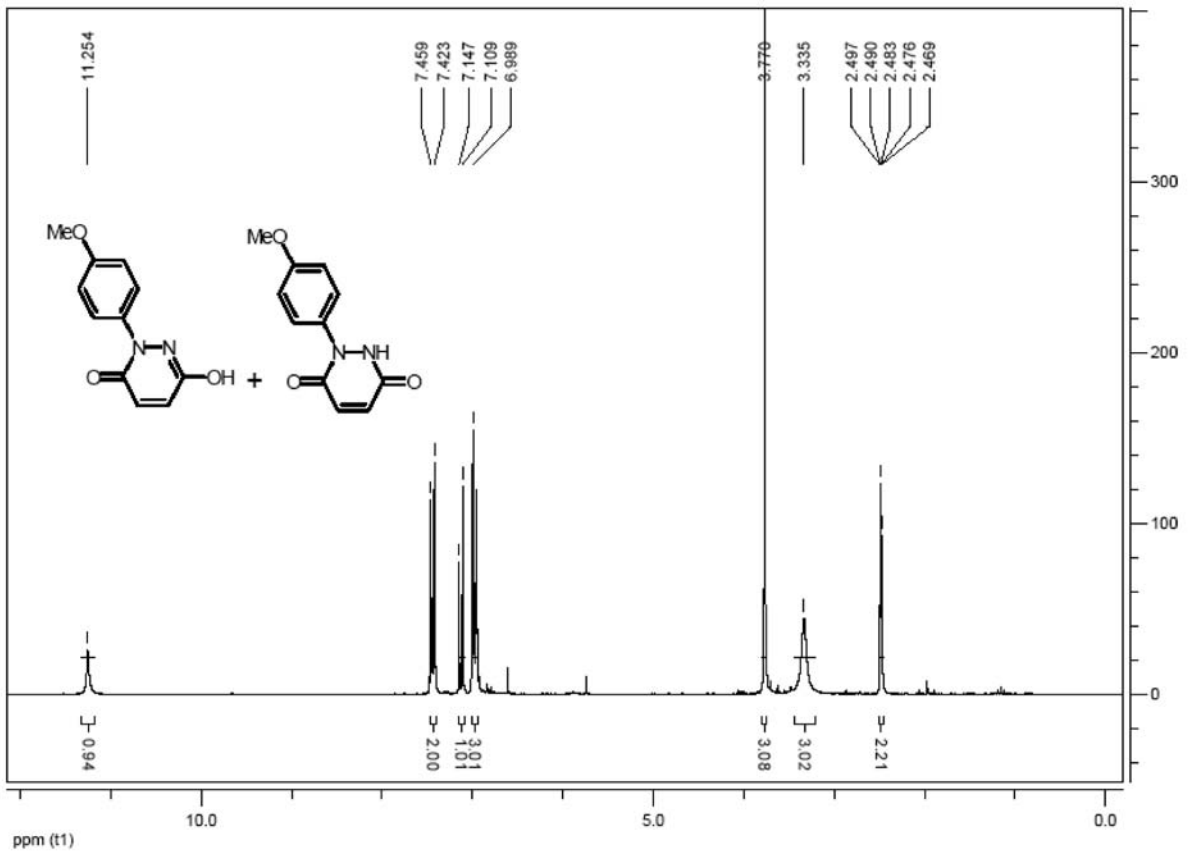

Figure 3S. *Compound **4**; ^{1}H NMR (500 MHz, DMSO).*

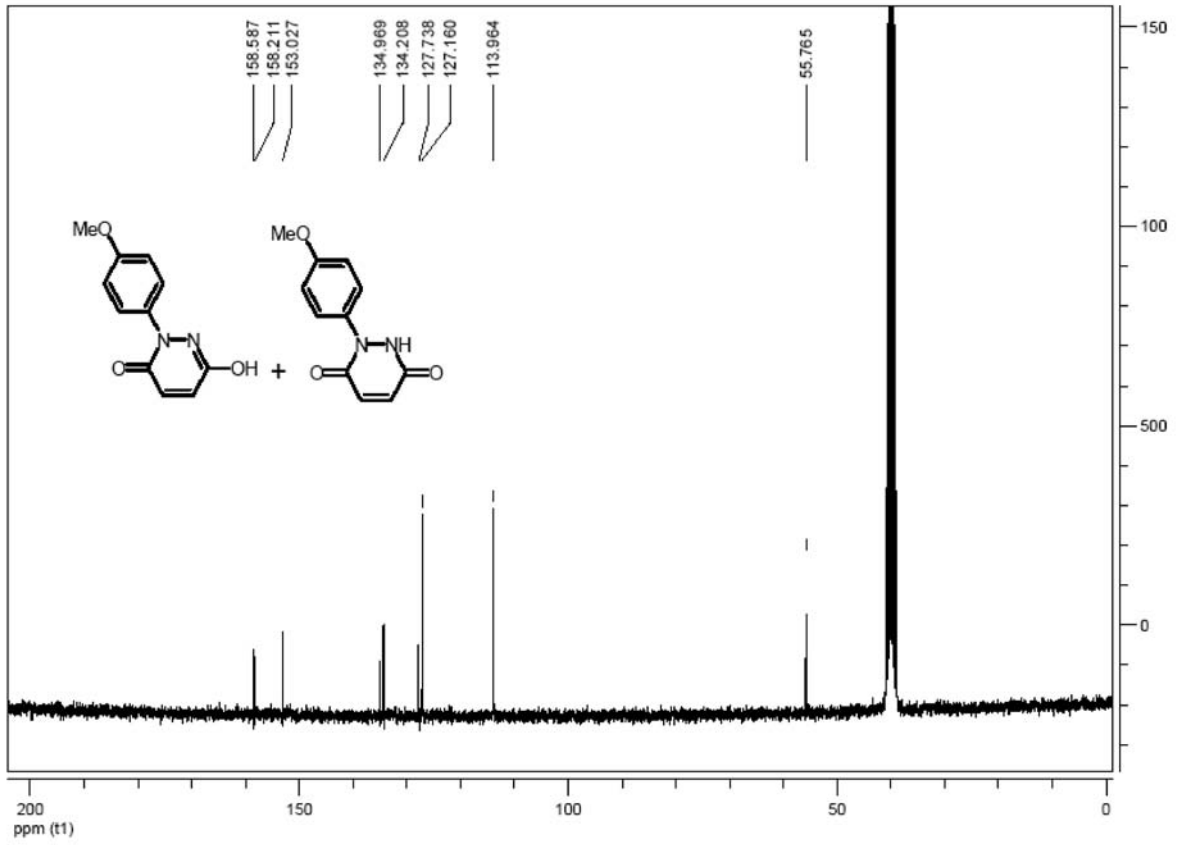

Figure 4S. *Compound* ***4****;* ^{13}C *NMR (125 MHz, DMSO).*

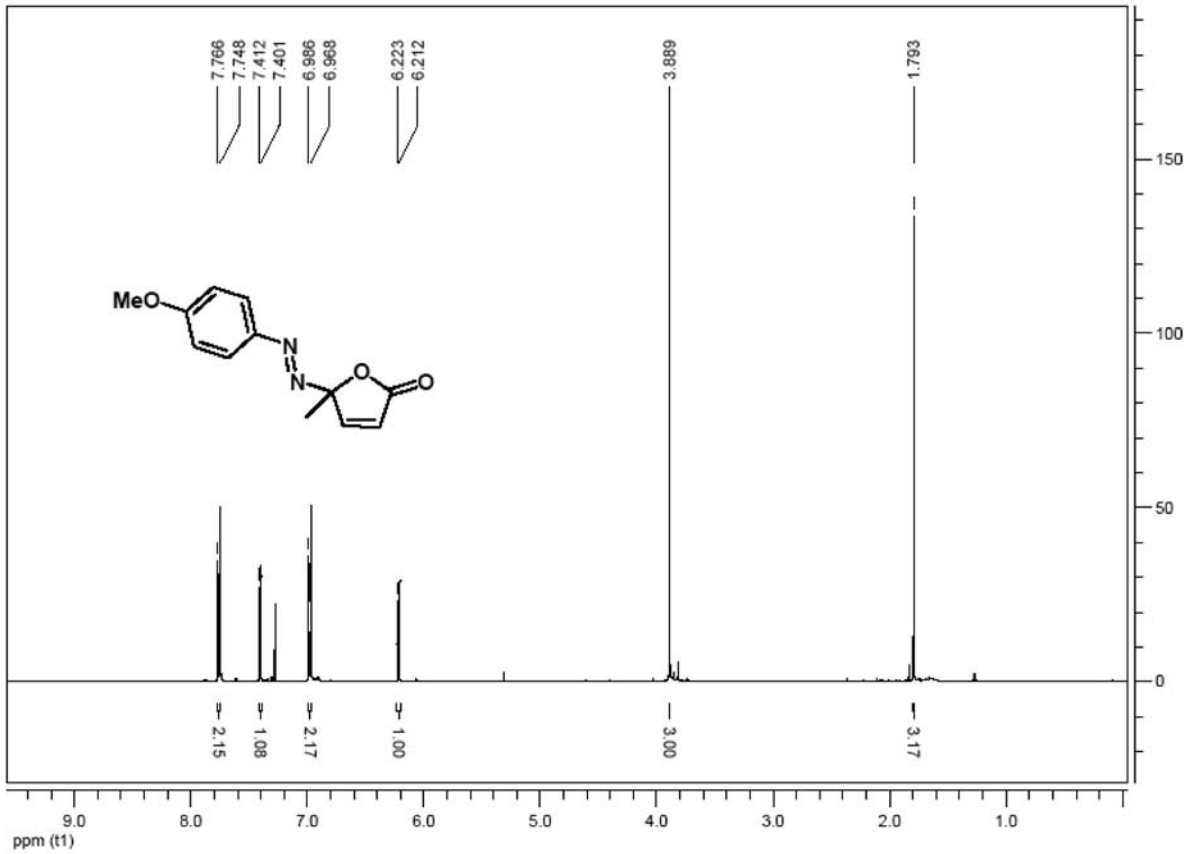

Figure 5S. *Compound* ***6a****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

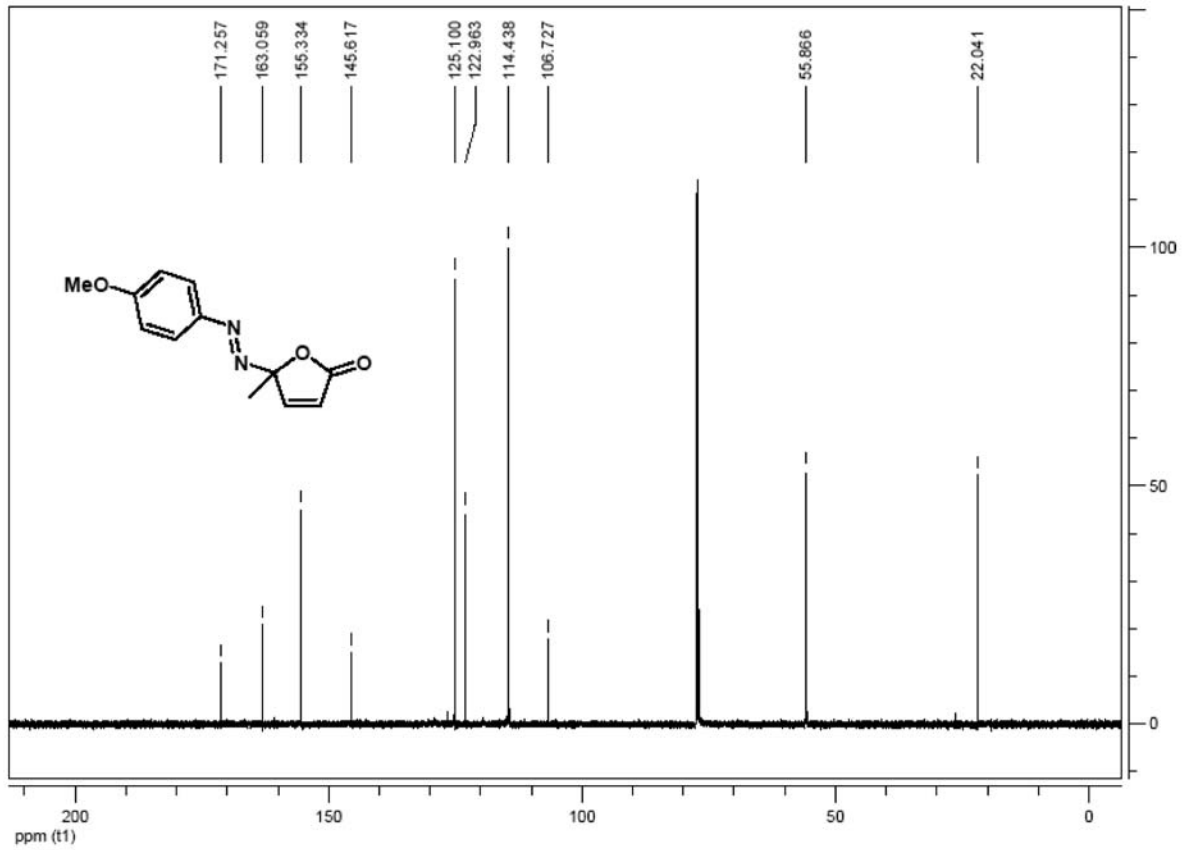

Figure 6S. *Compound* ***6a****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

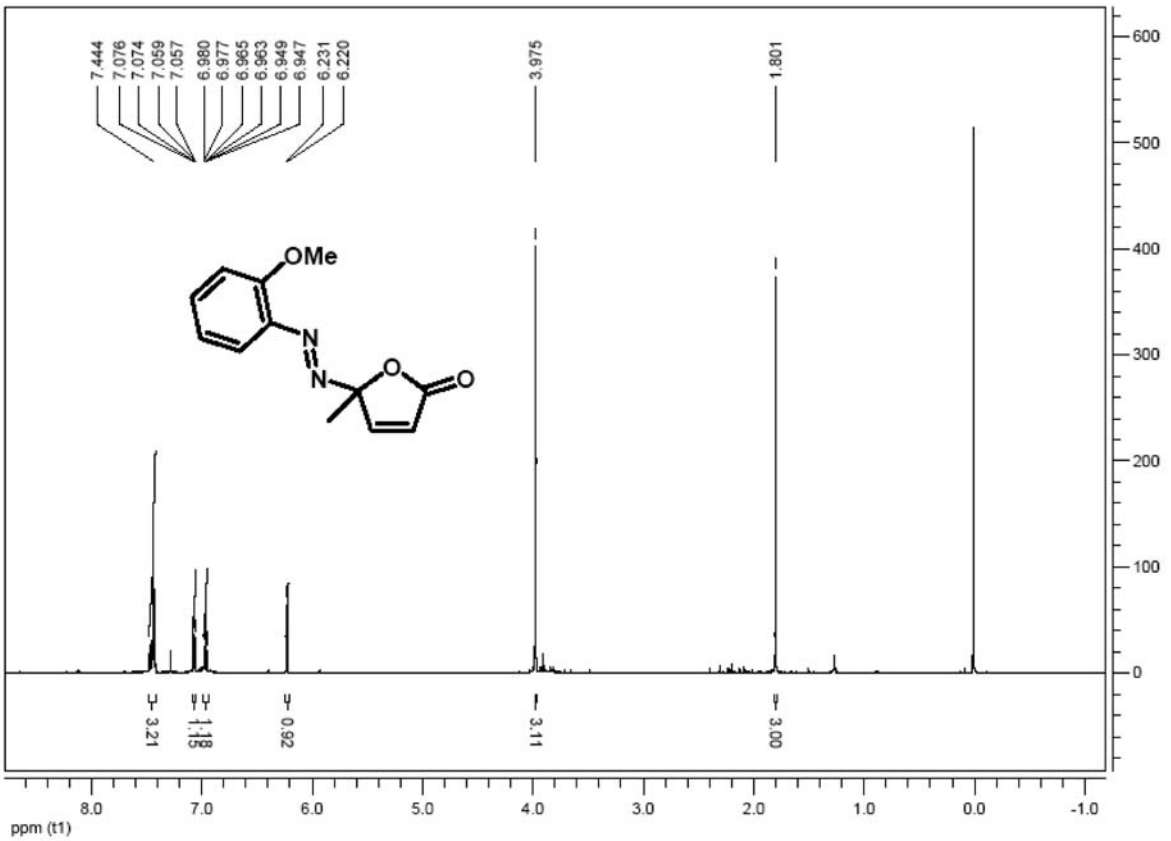

Figure 7S. *Compound* ***6b****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

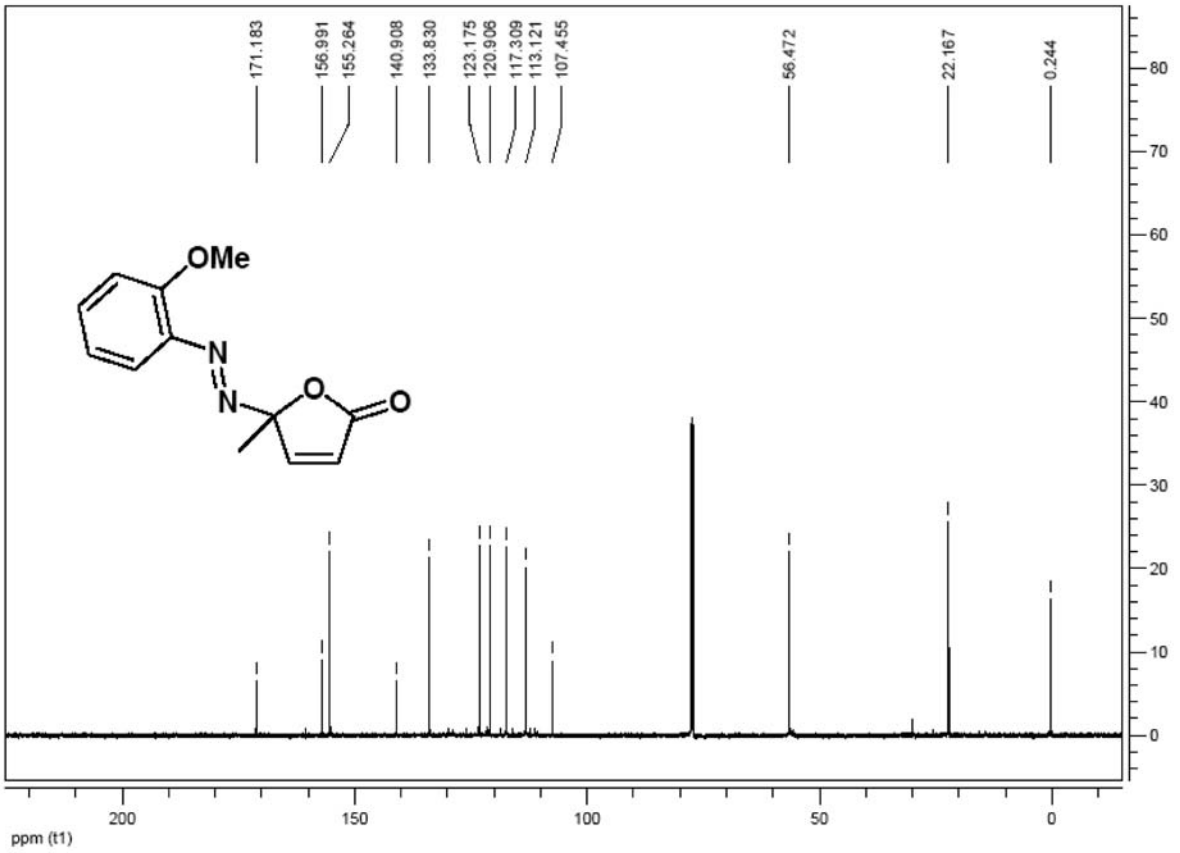

Figure 8S. *Compound* ***6b****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

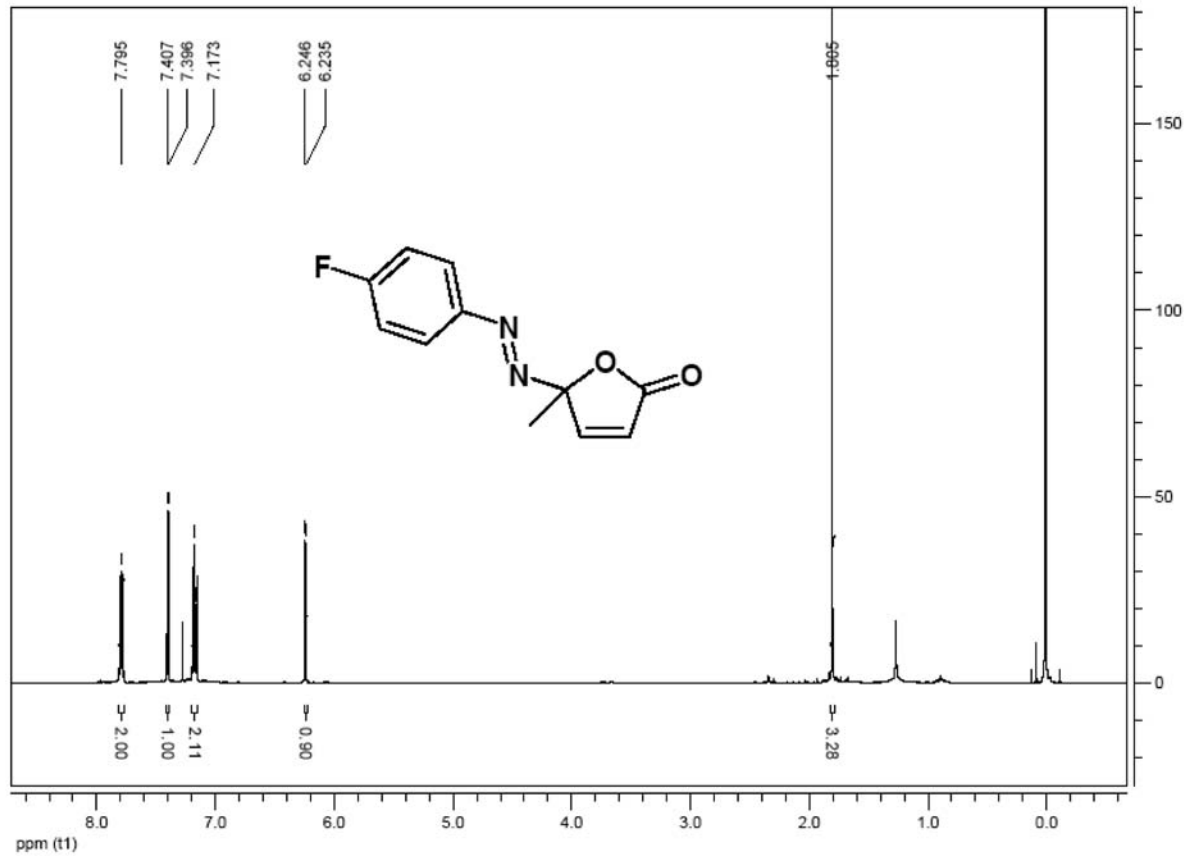

Figure 9S. *Compound* ***6c****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

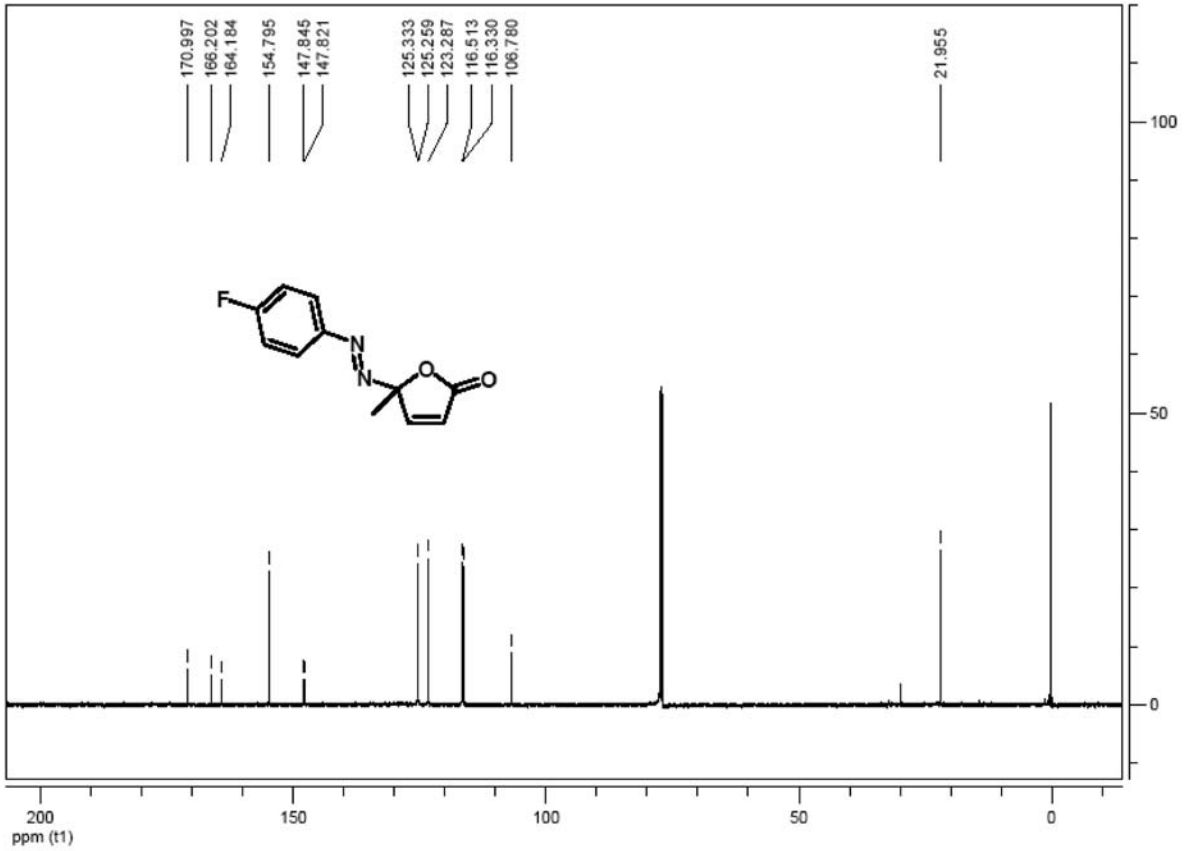

Figure 10S. *Compound* ***6c****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

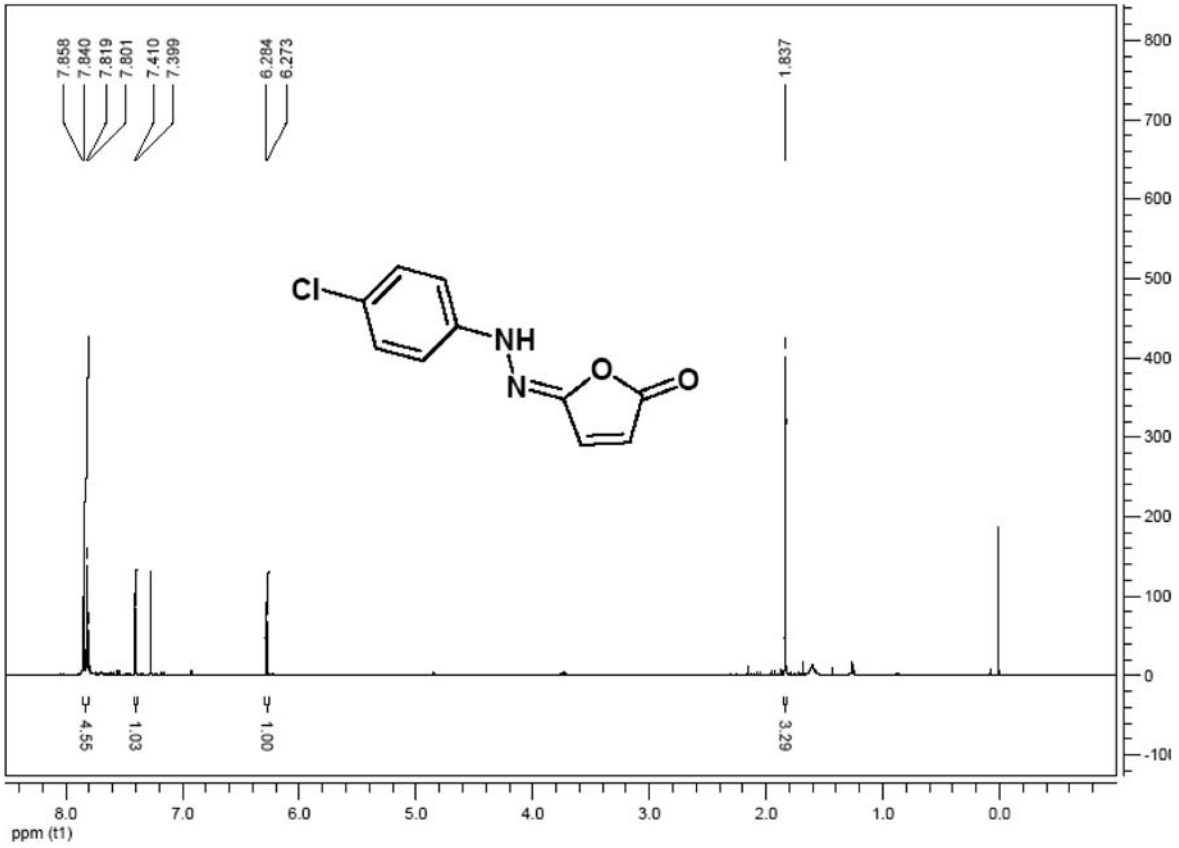

Figure 11S. *Compound* ***6d****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

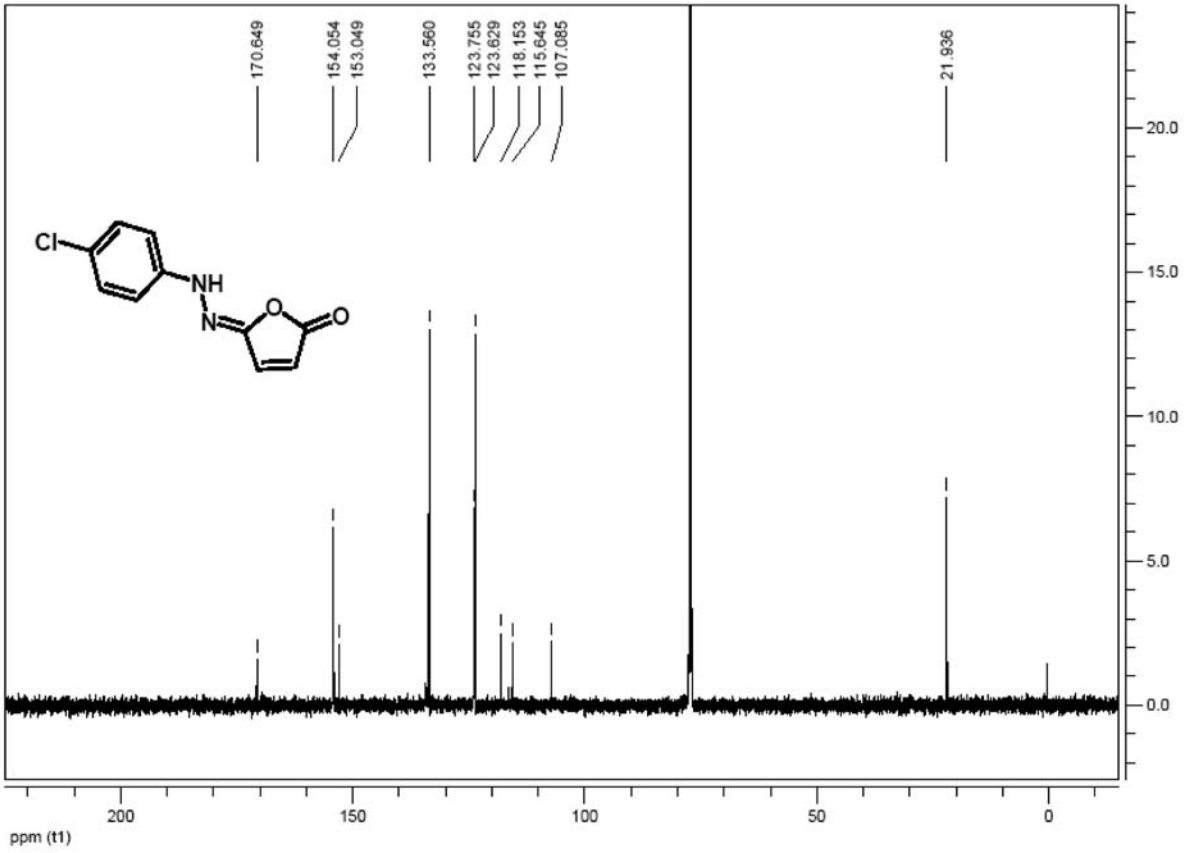

Figure 12S. *Compound* ***6d****; [13]C NMR (125 MHz, $CDCl_3$).*

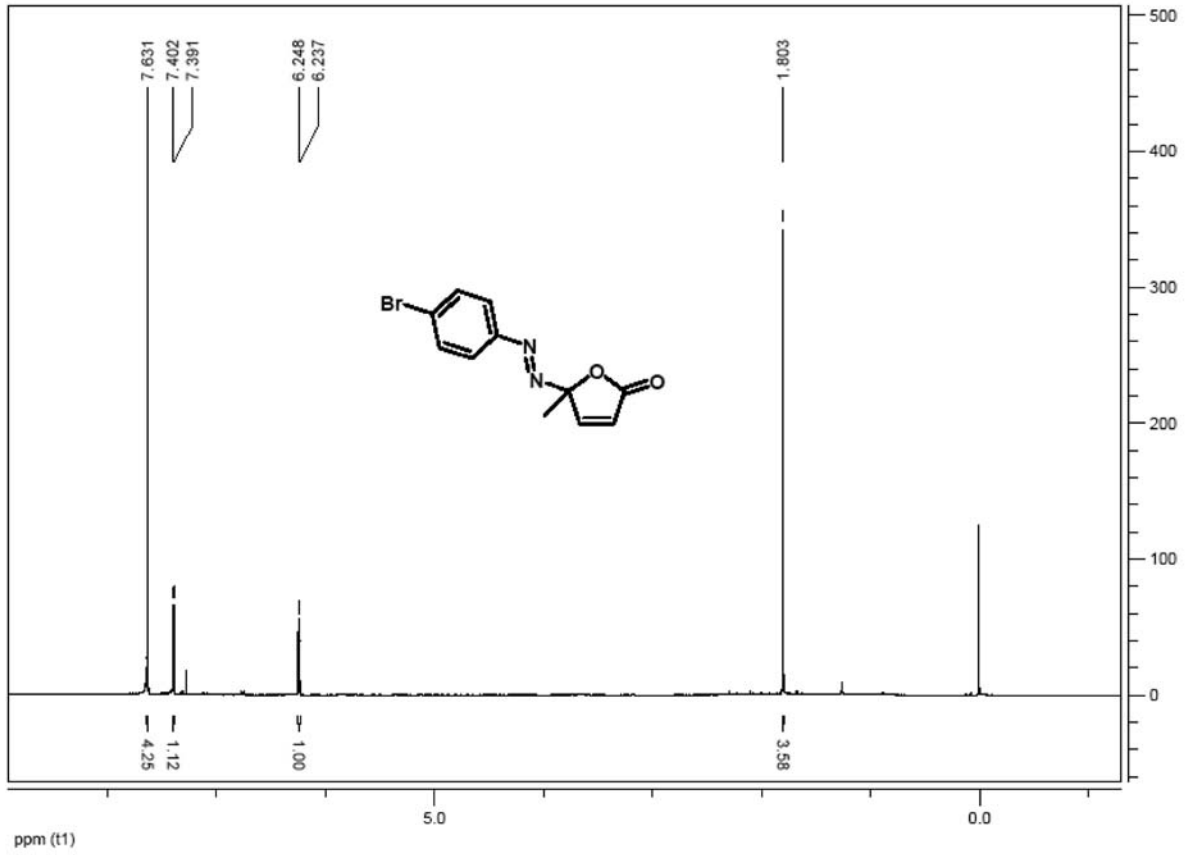

Figure 13S. *Compound* ***6e****; [1]H NMR (500 MHz, $CDCl_3$).*

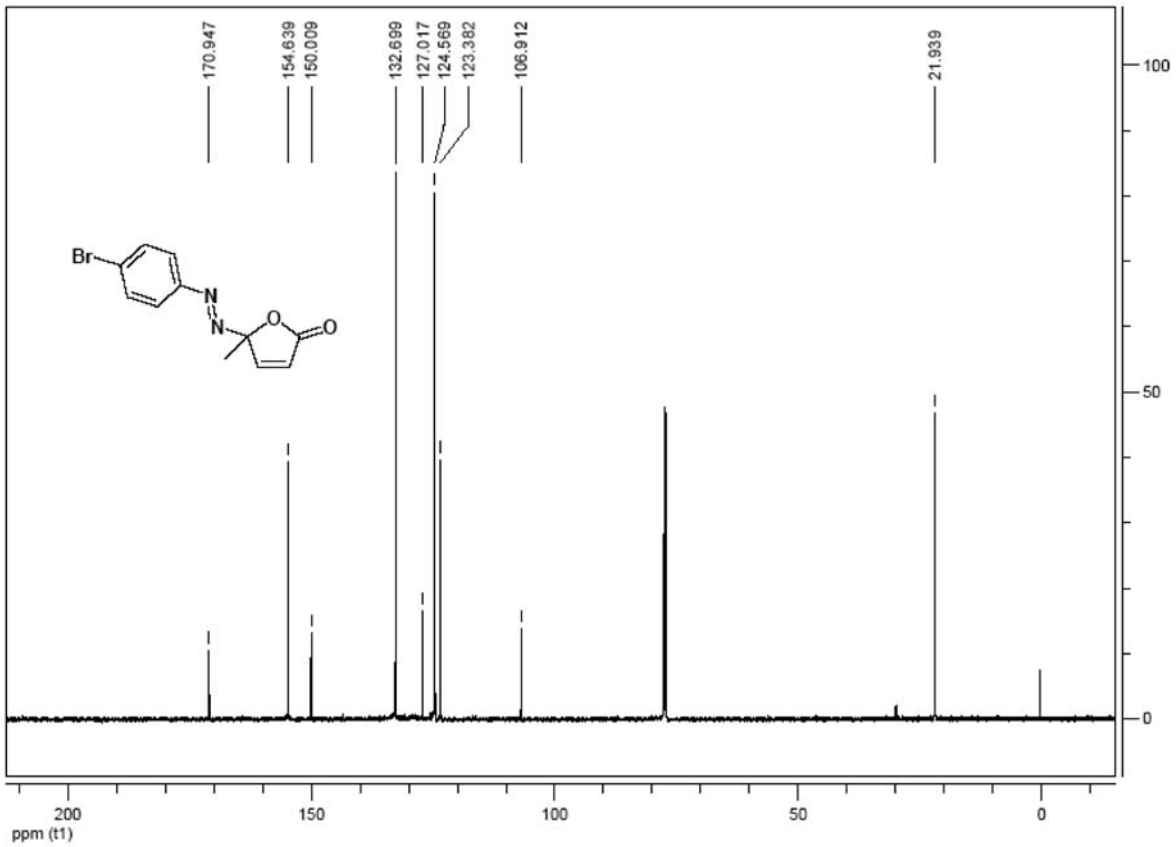

Figure 14S. *Compound* ***6e****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

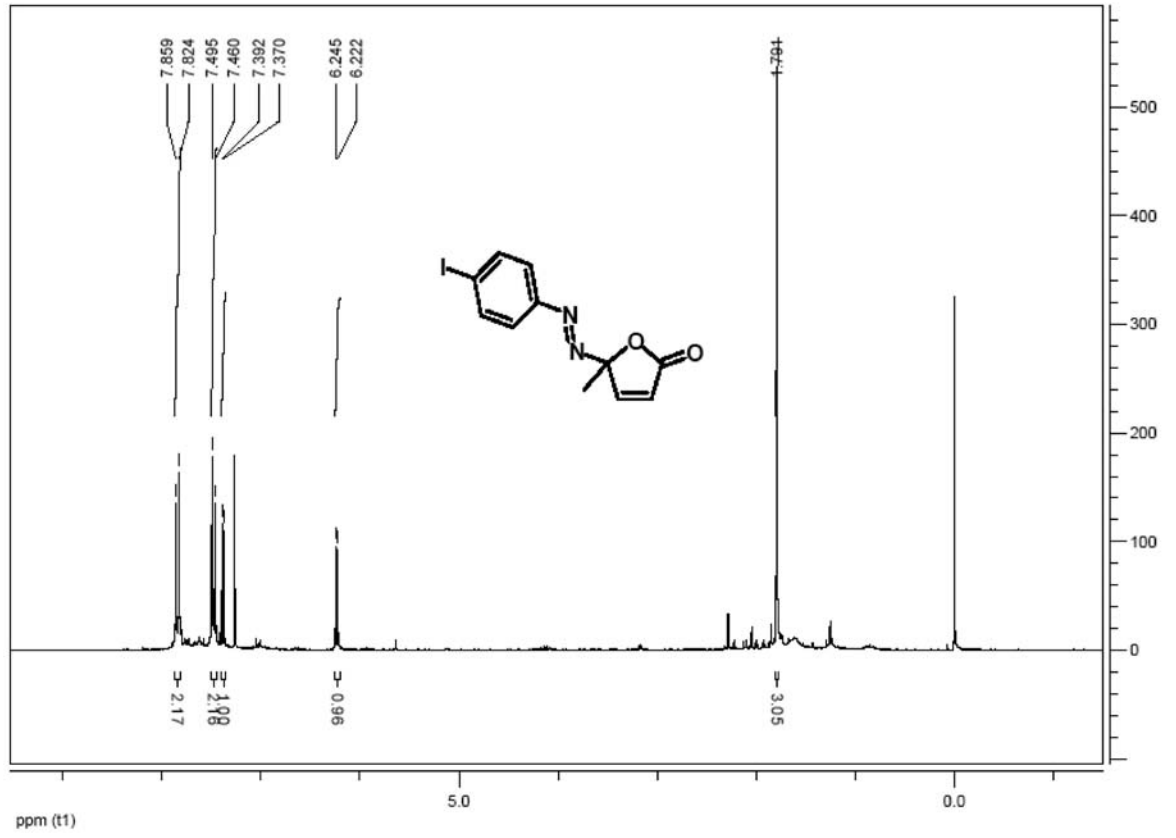

Figure 15S. *Compound* ***6f****;* ^{1}H *NMR (250 MHz,* $CDCl_3$*).*

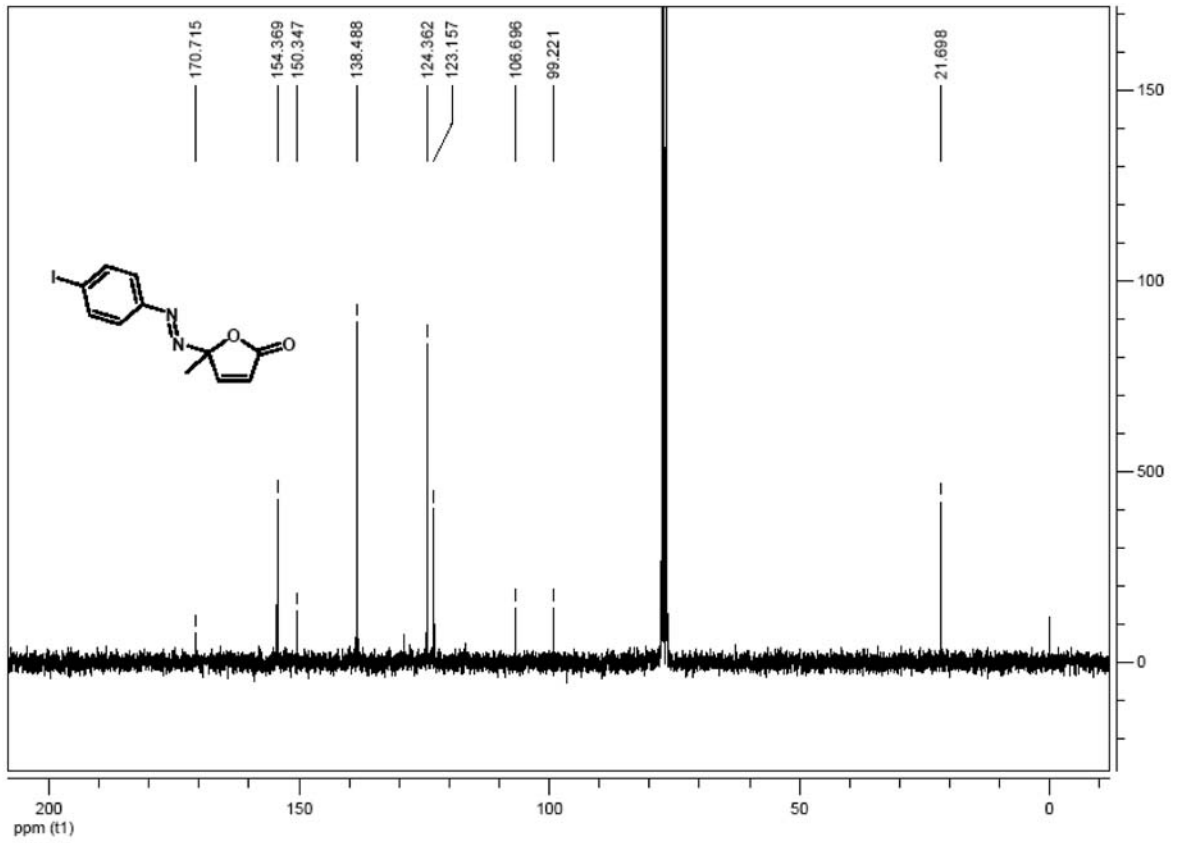

Figure 16S. *Compound* ***6f****; [13]C NMR (62.5 MHz, $CDCl_3$).*

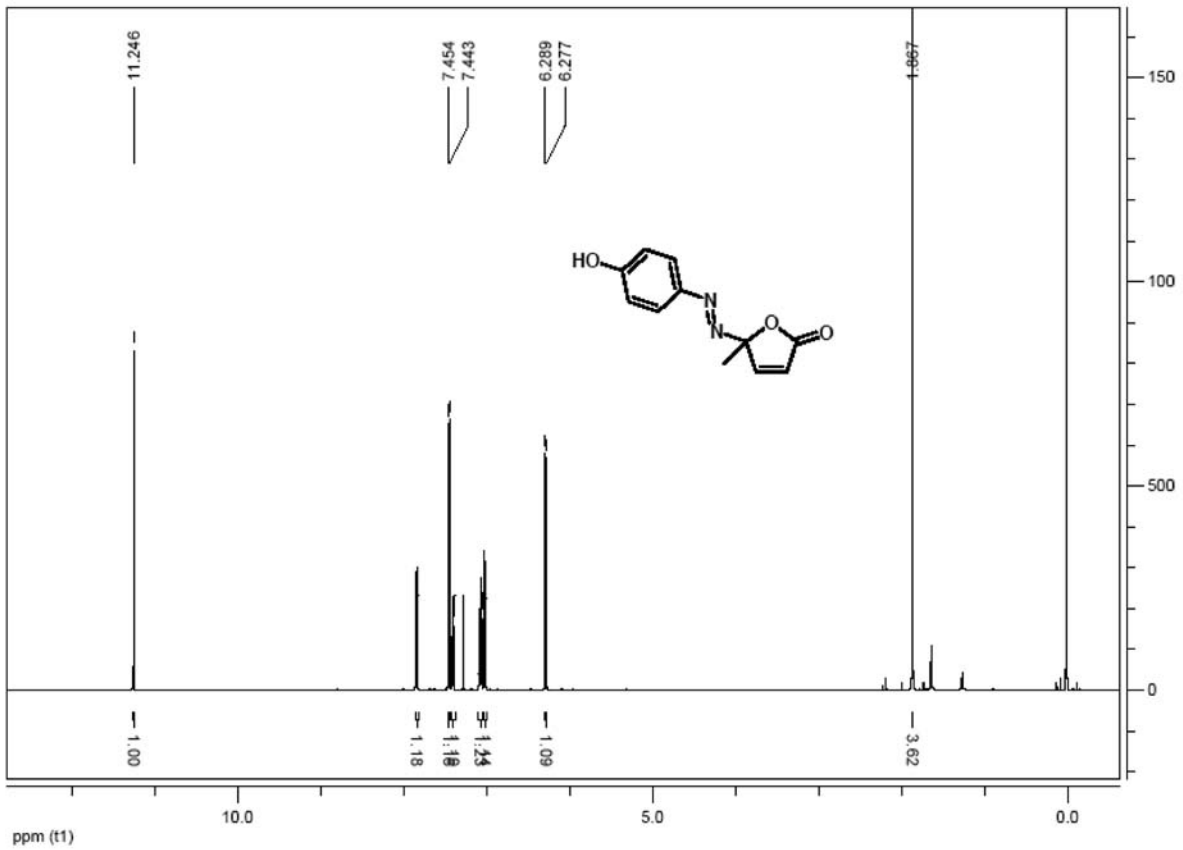

Figure 17S. *Compound* ***6g****; [1]H NMR (500 MHz, $CDCl_3$).*

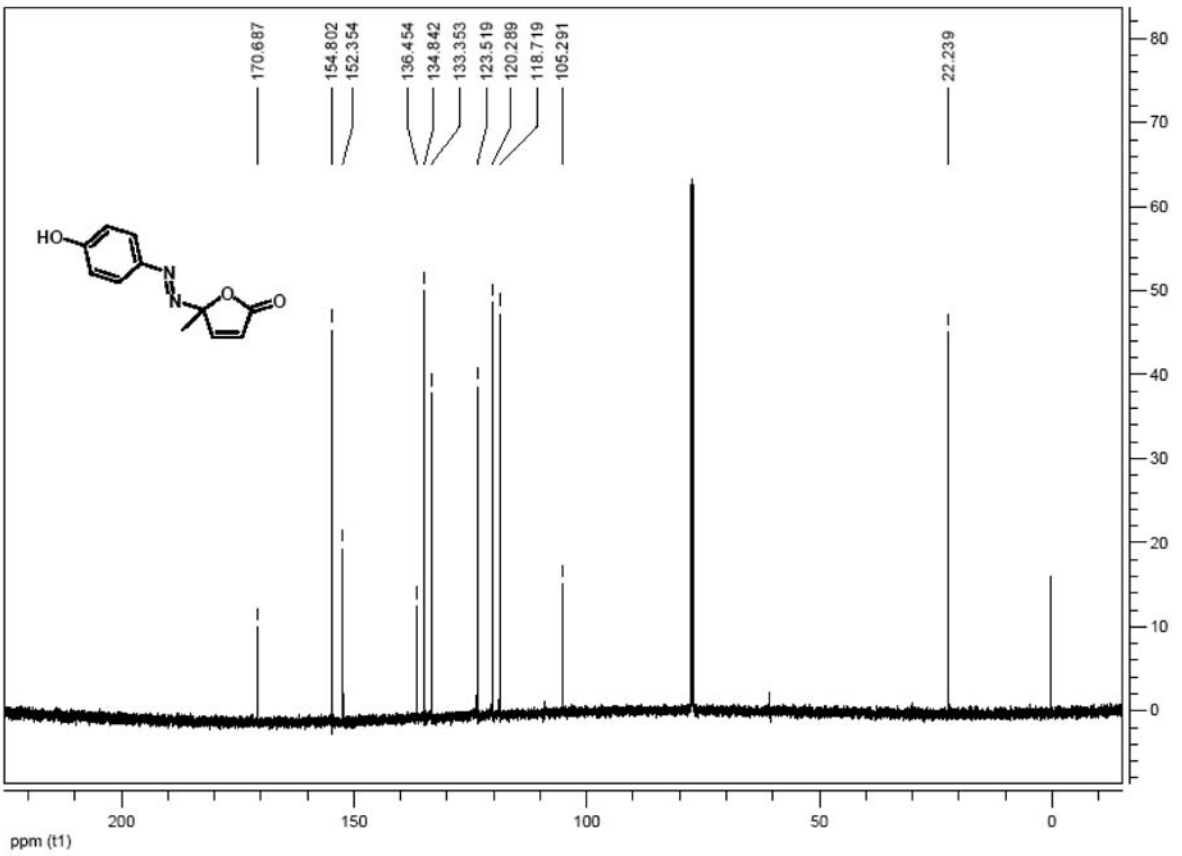

Figure 18S. *Compound* ***6g****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

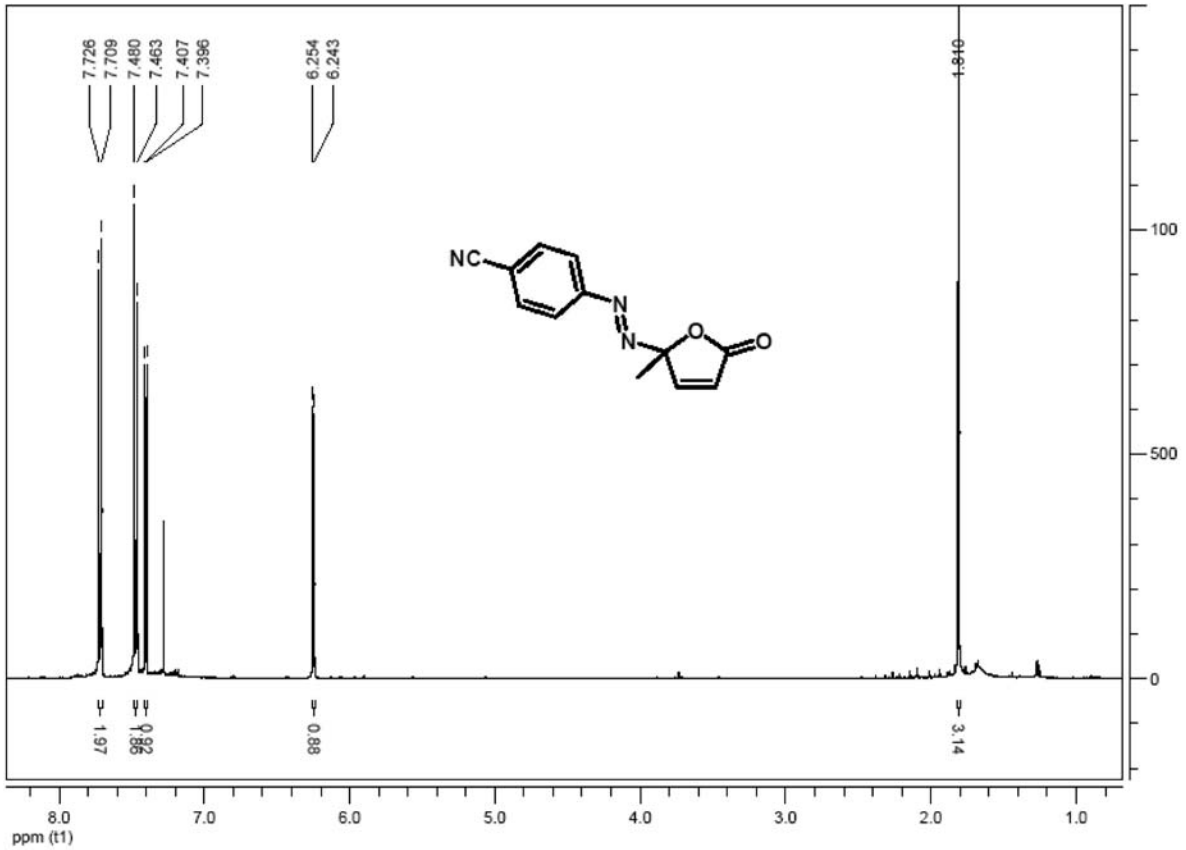

Figure 19S. *Compound* ***6h****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

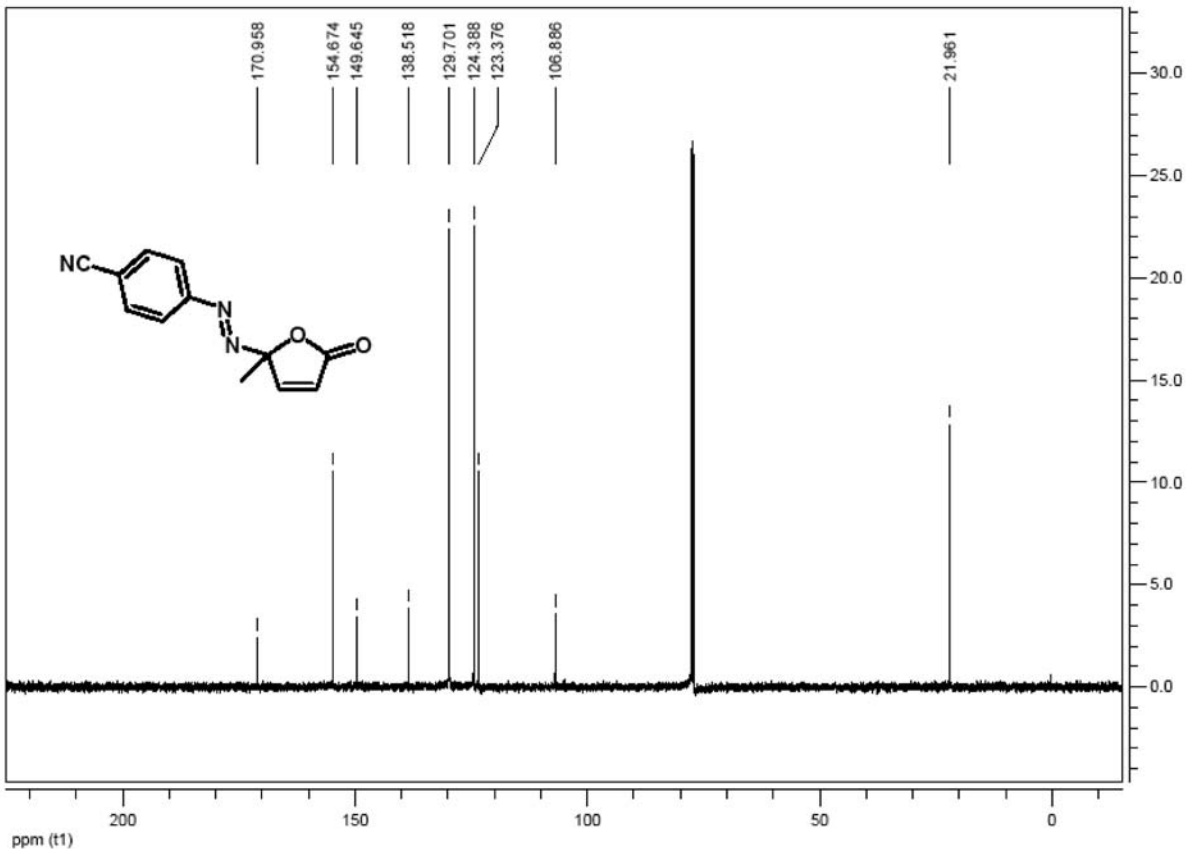

Figure 20S. *Compound* ***6h****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

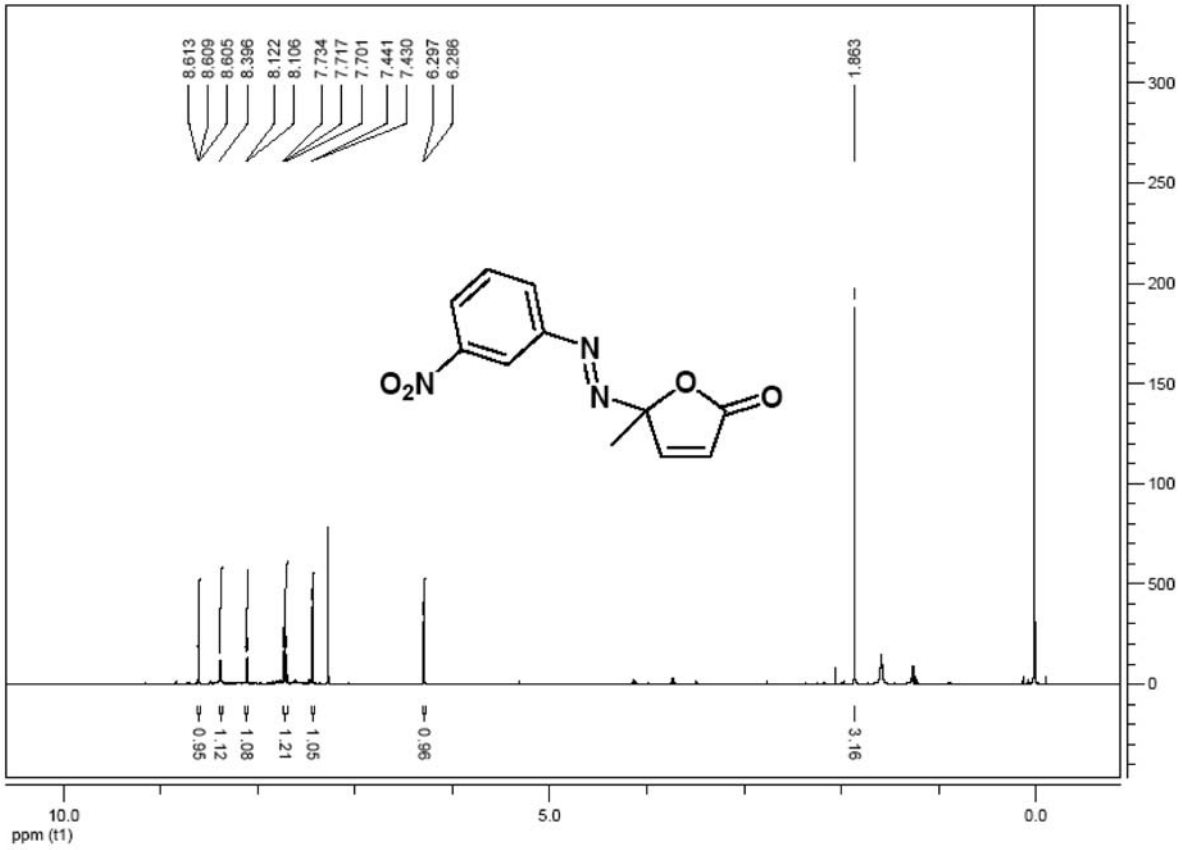

Figure 21S. *Compound* ***6i****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

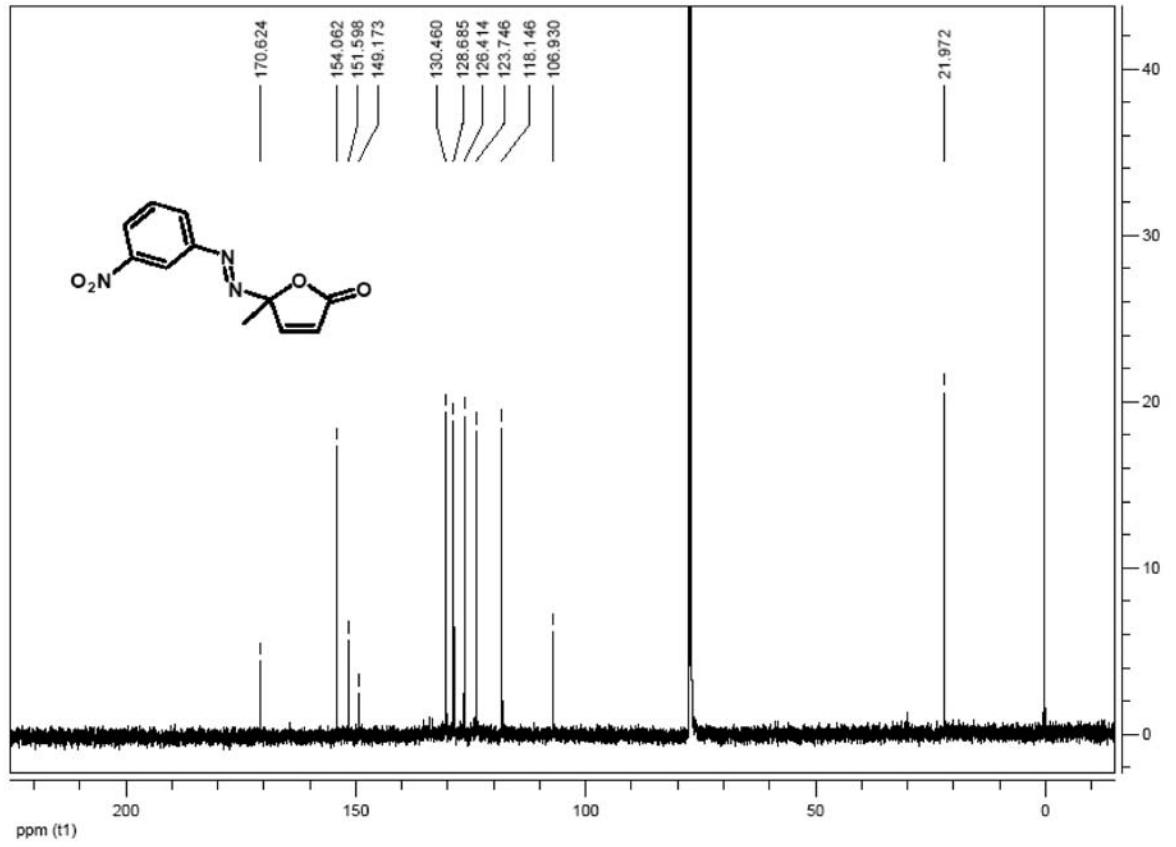

Figure 22S. *Compound* ***6i****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

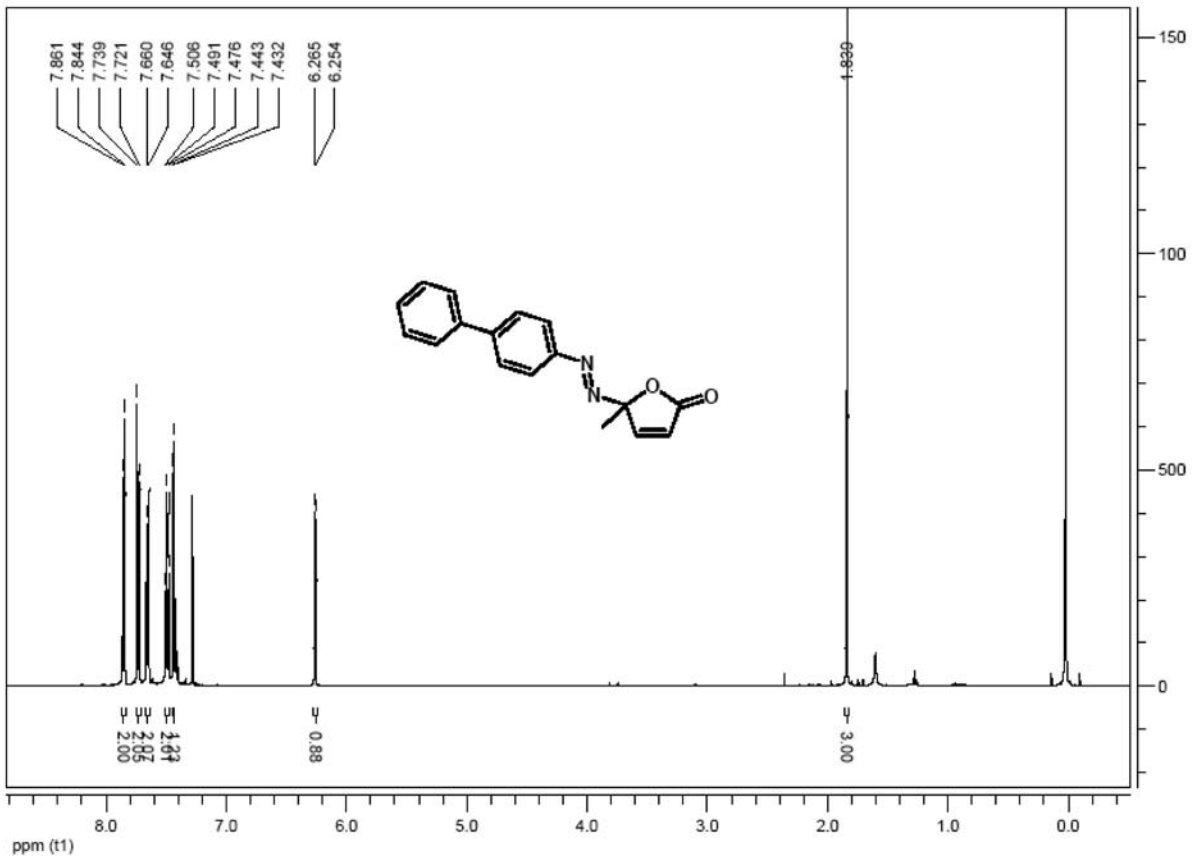

Figure 23S. *Compound* ***6j****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

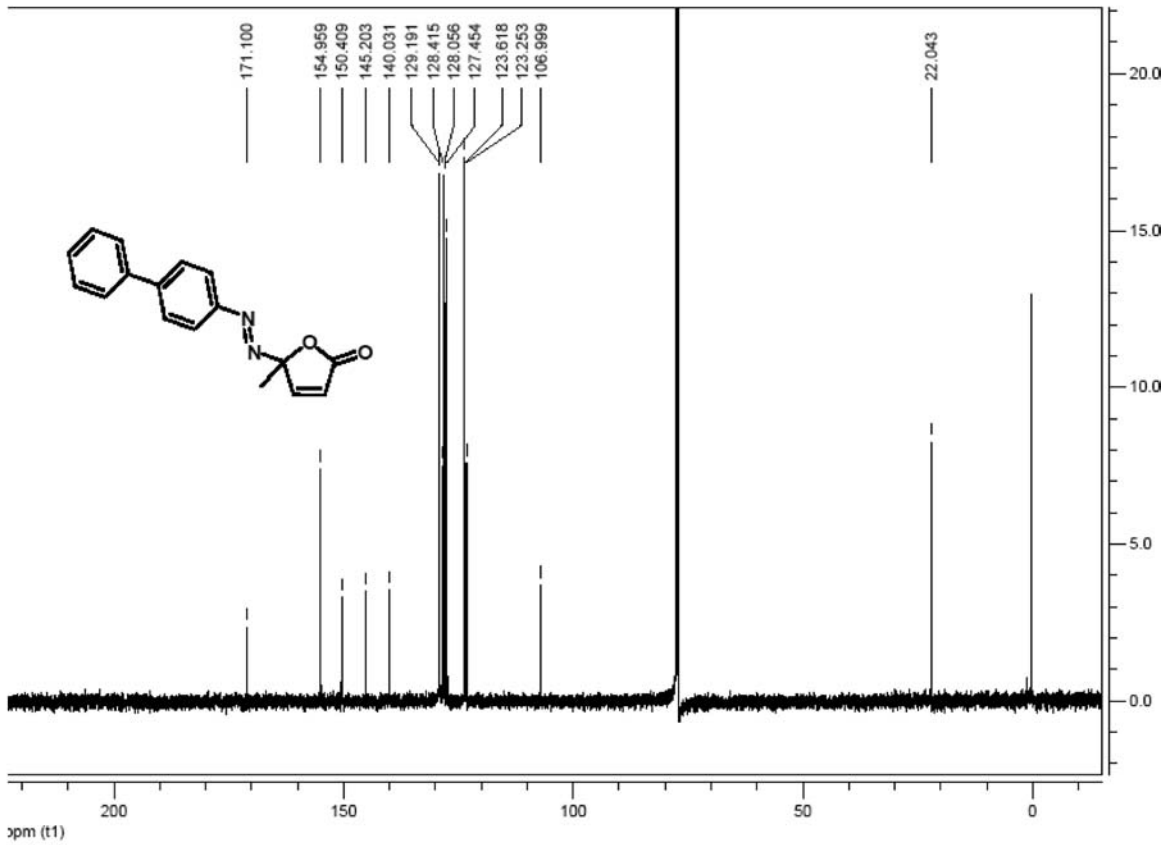

Figure 24S. *Compound* ***6j****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

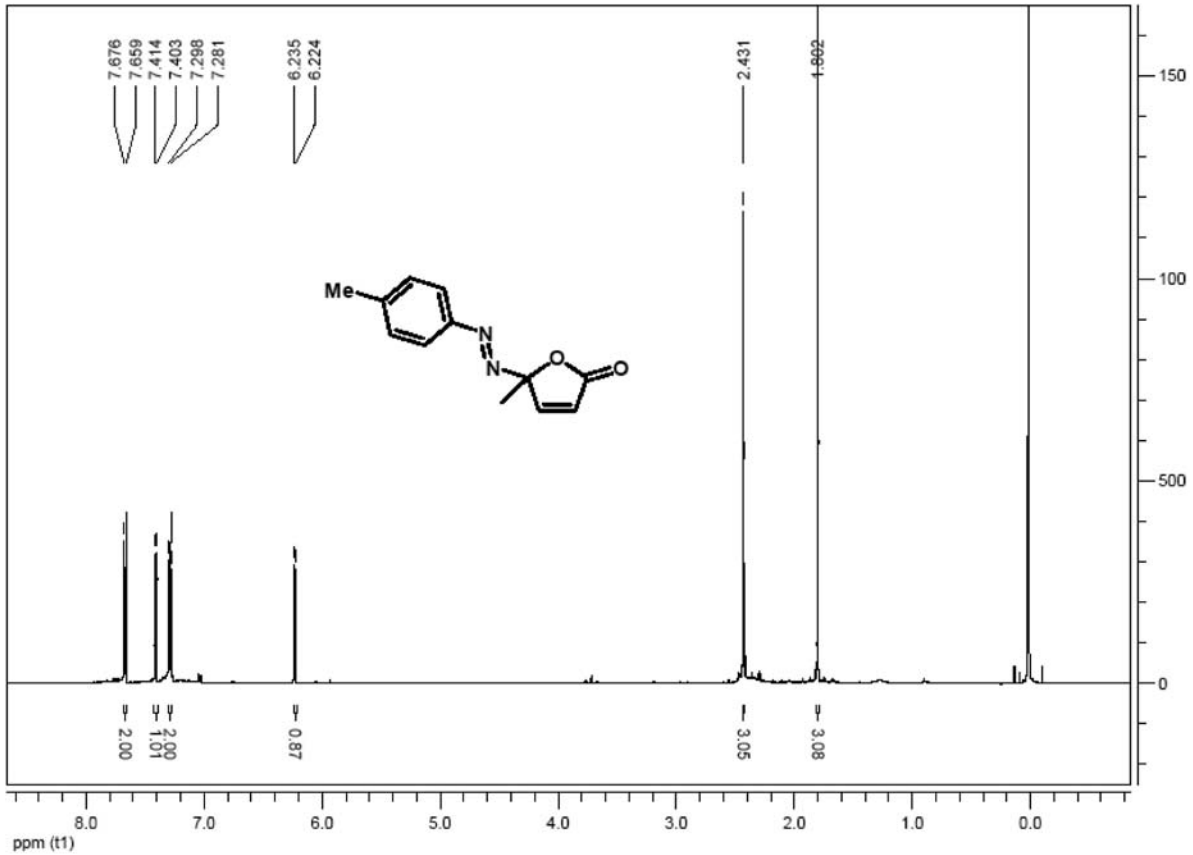

Figure 25S. *Compound* ***6k****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

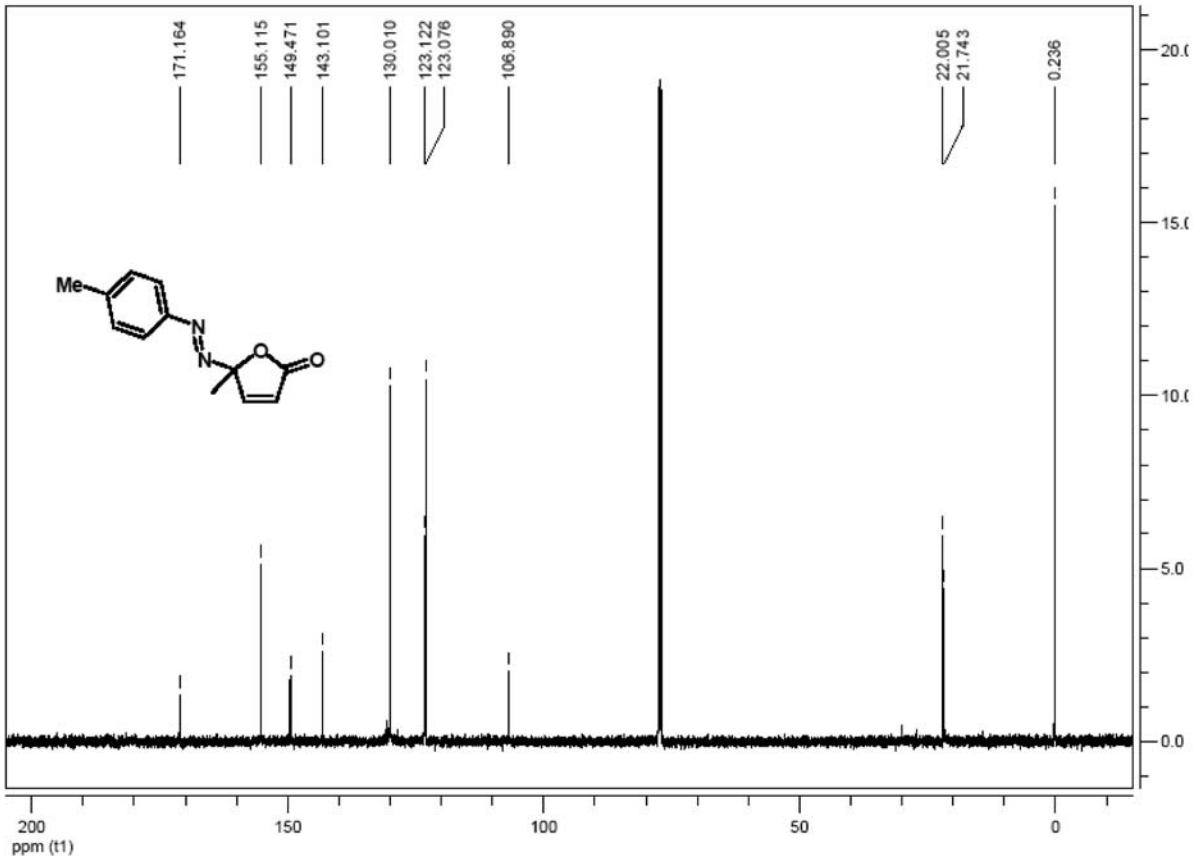

Figure 26S. *Compound* ***6k****;* ^{13}C *NMR (125 MHz,* $CDCl_3$*).*

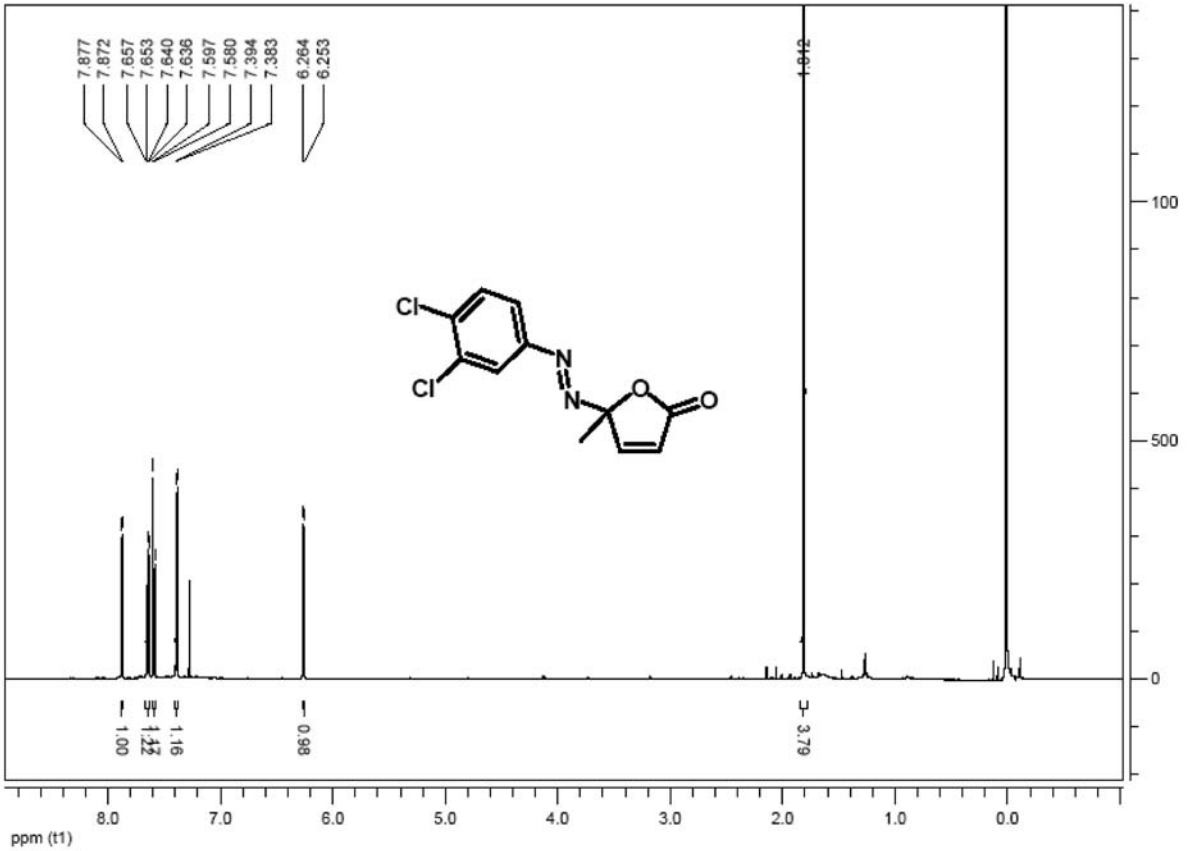

Figure 27S. *Compound* ***6l****;* ^{1}H *NMR (500 MHz,* $CDCl_3$*).*

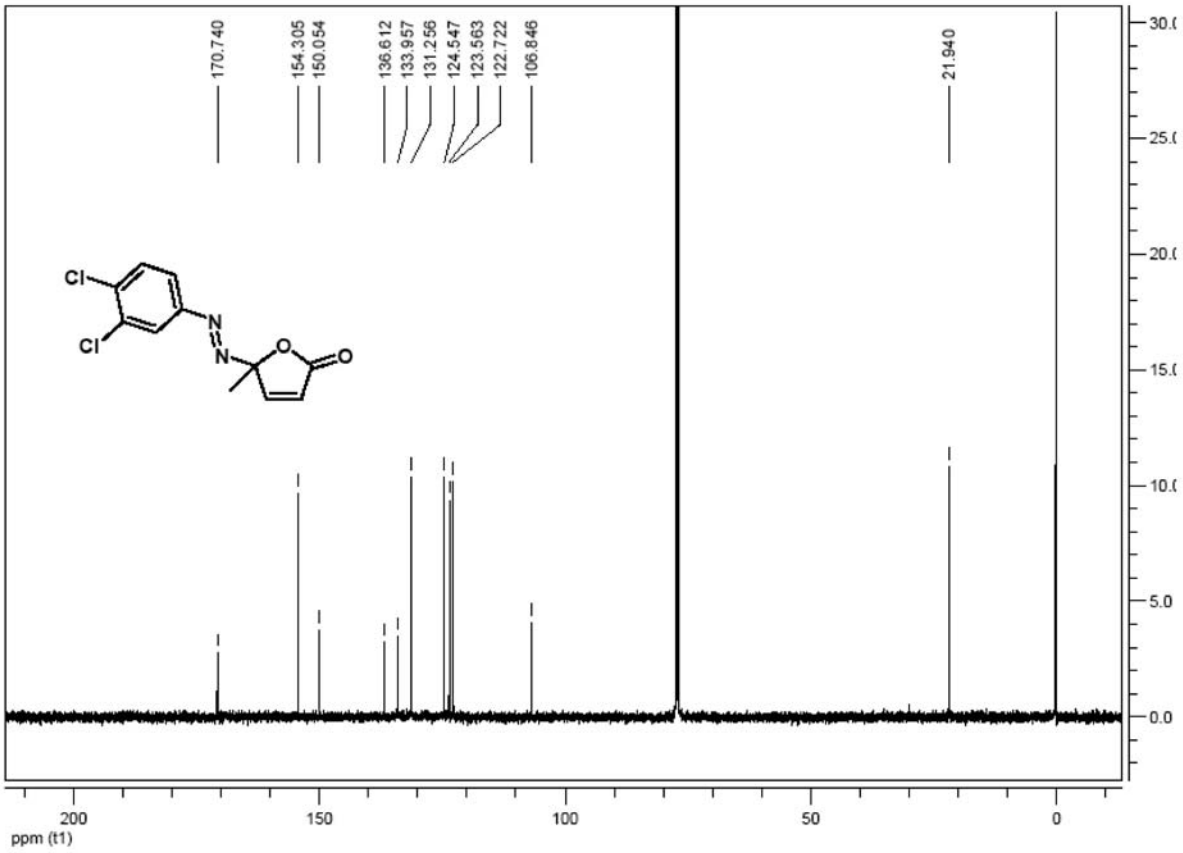

Figure 28S. *Compound* ***6l****; ^{13}C NMR (125 MHz, $CDCl_3$).*