

Supporting Information for

Selective and tunable synthesis of 3-arylsuccinimides and 3-arylmaleimides from arenediazonium tetrafluoroborates and maleimides

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Content:

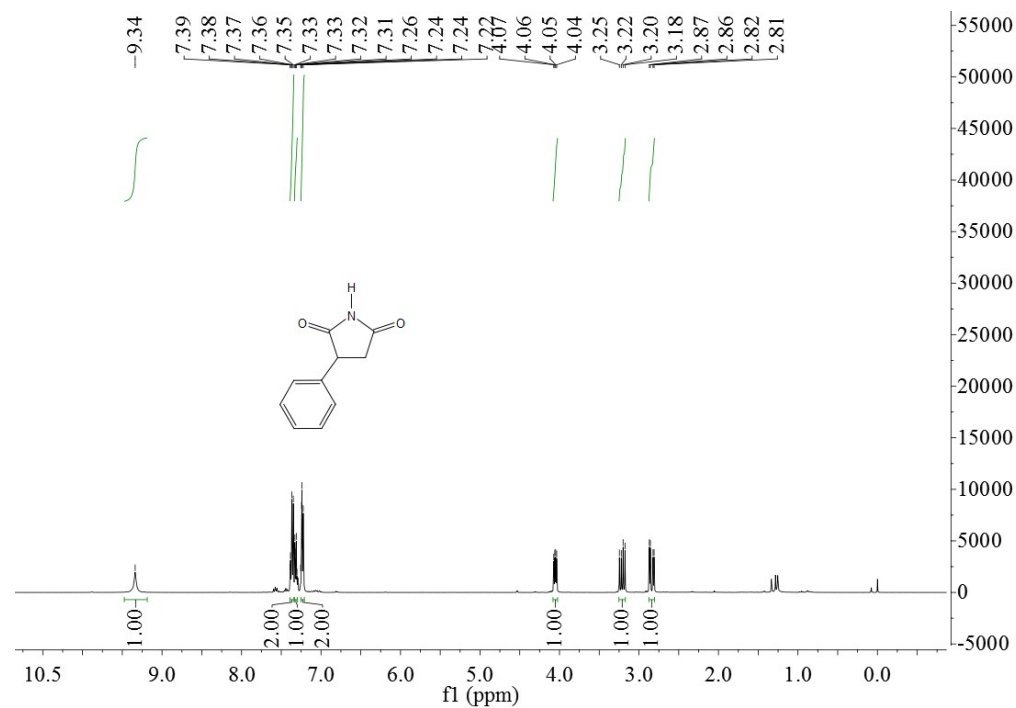
¹H NMR and ¹³C NMR spectra of the products.

¹H NMR and ¹³C NMR spectra

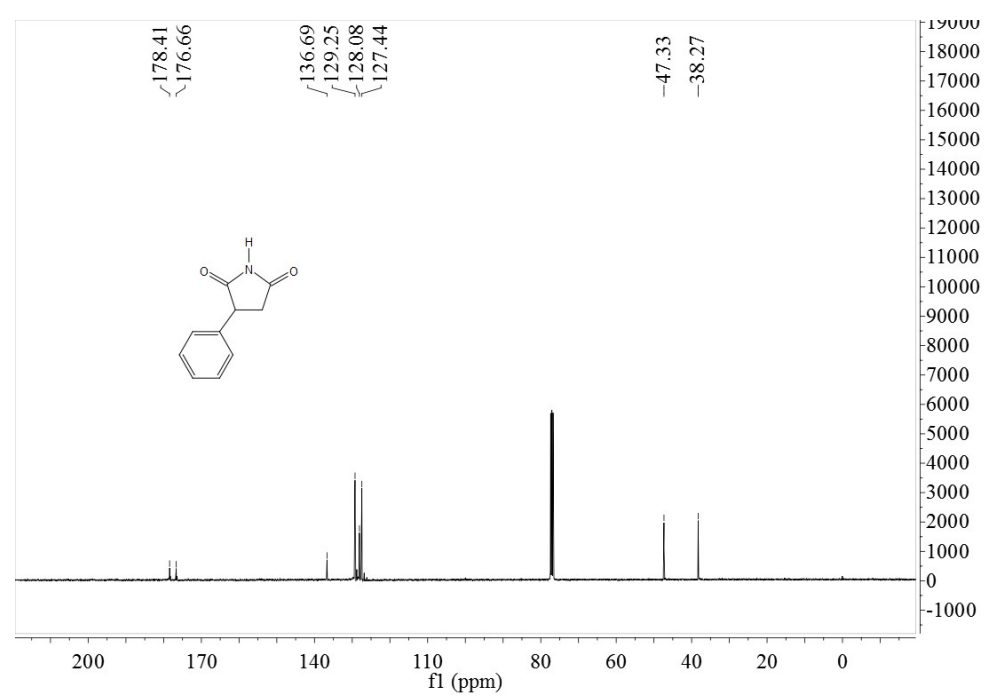
¹H and ¹³C NMR spectra were recorded using a Bruker AV 400 MHz spectrometer in CDCl₃ or DMSO-d₆ with tetramethylsilane as internal standard.

3-phenylpyrrolidine-2,5-dione (4a) in CDCl₃

¹H NMR

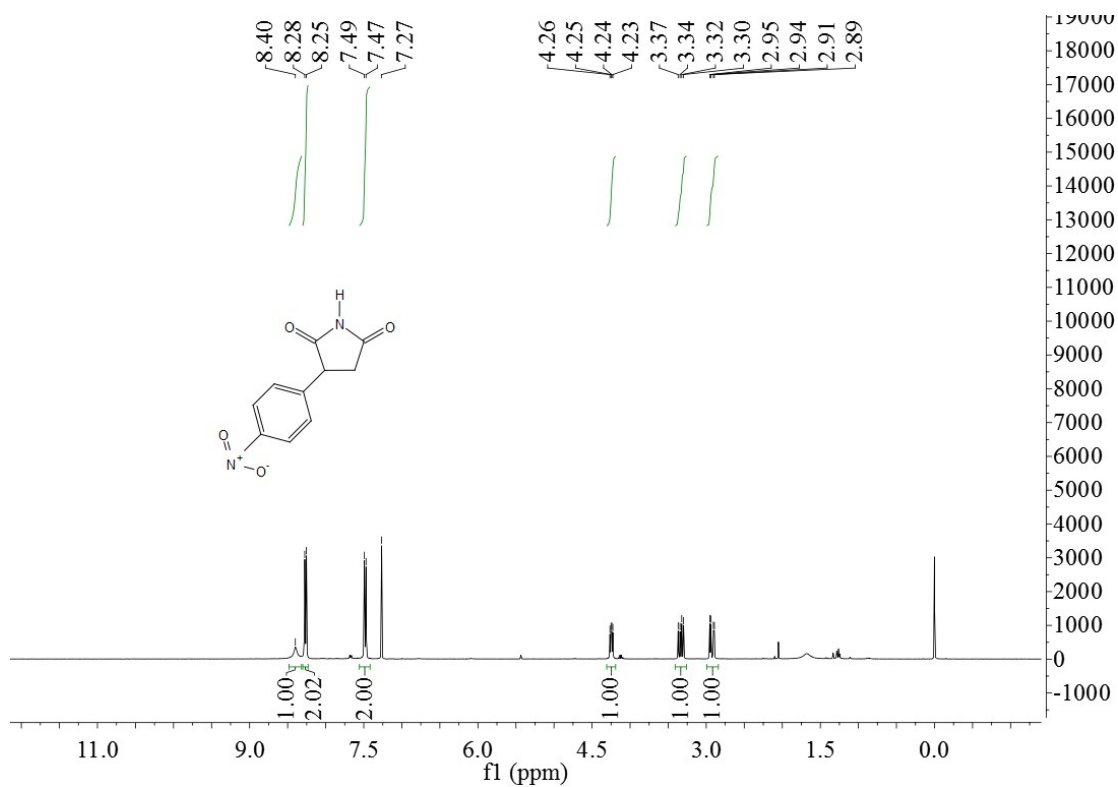


¹³C NMR

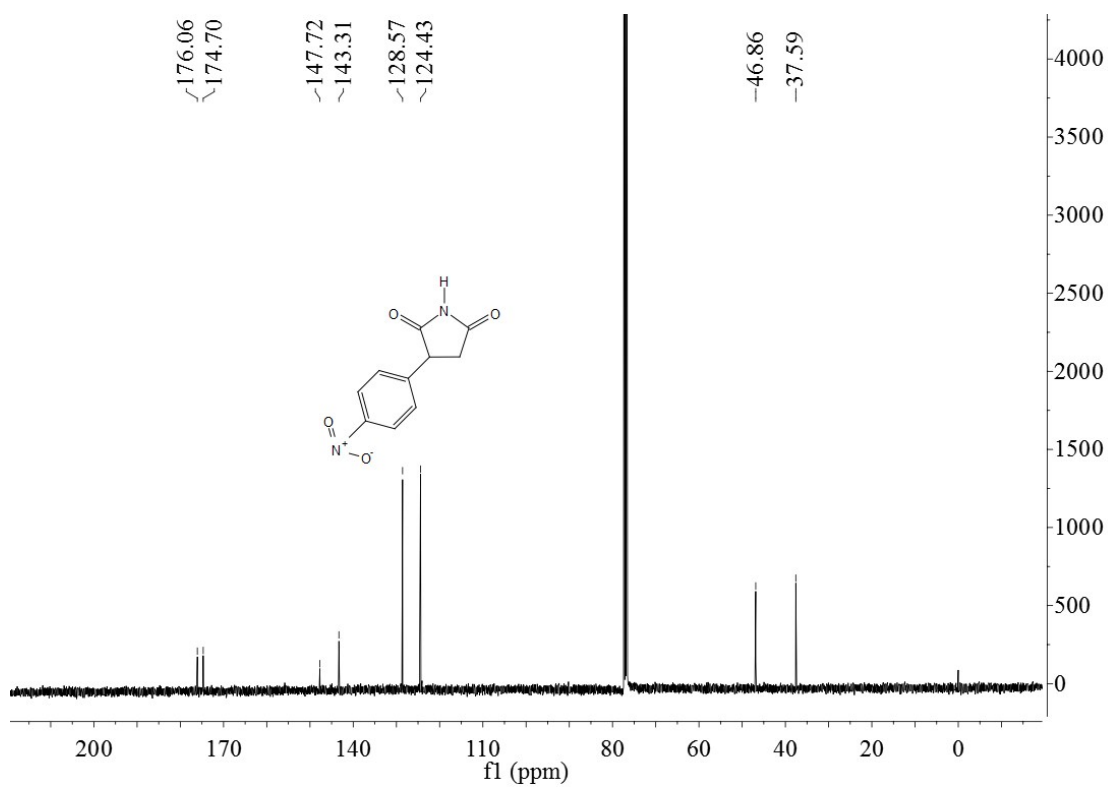


3-(4-nitrophenyl)-pyrrolidine-2,5-dione (4b) in CDCl₃

¹H NMR

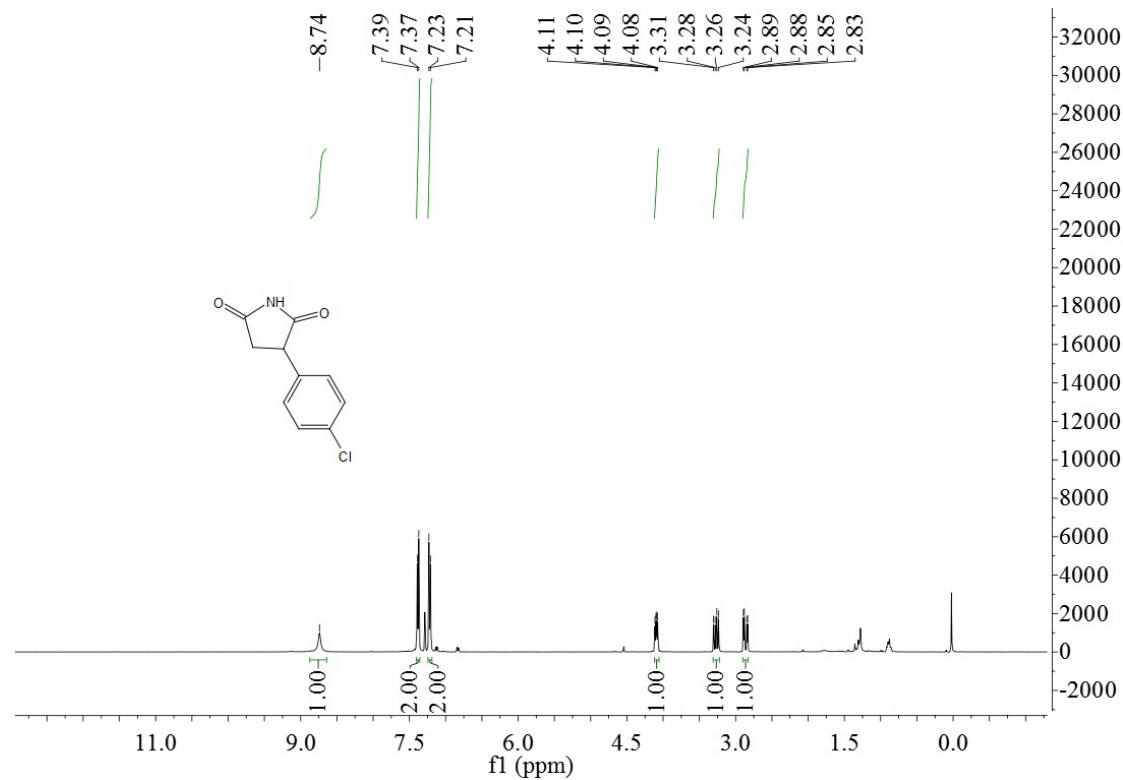


¹³C NMR

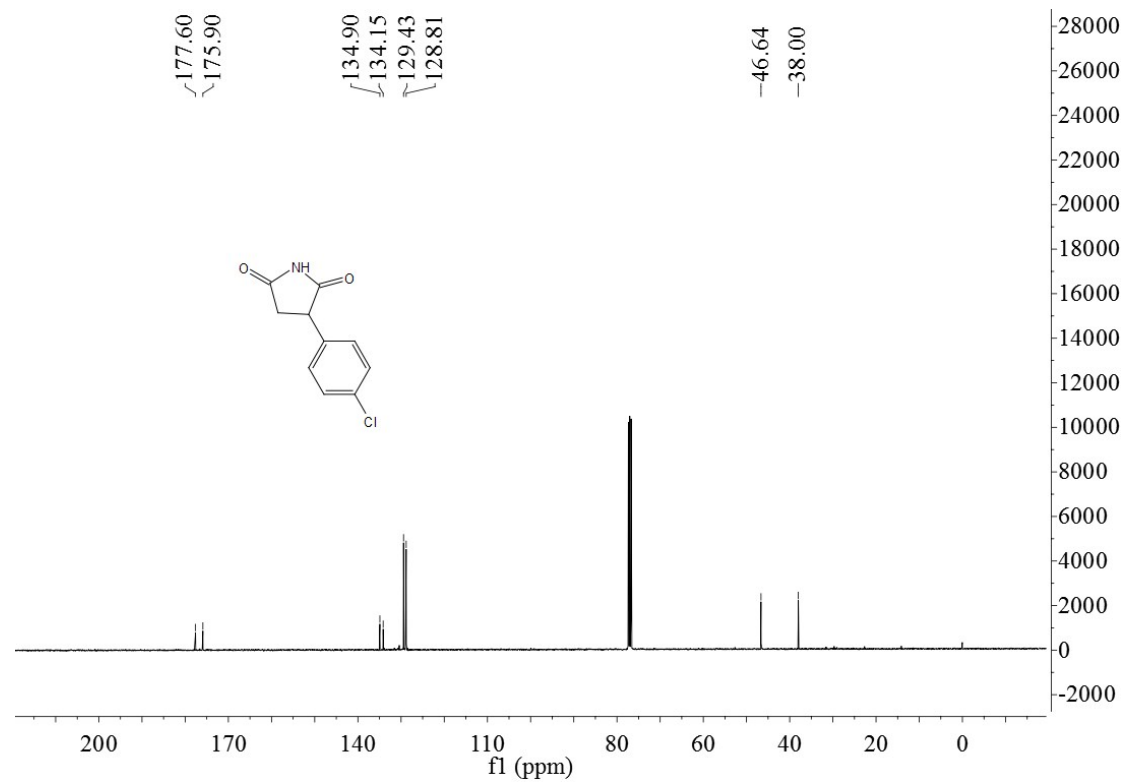


3-(4-chlorophenyl)-pyrrolidine-2,5-dione (4c) in CDCl₃

¹H NMR

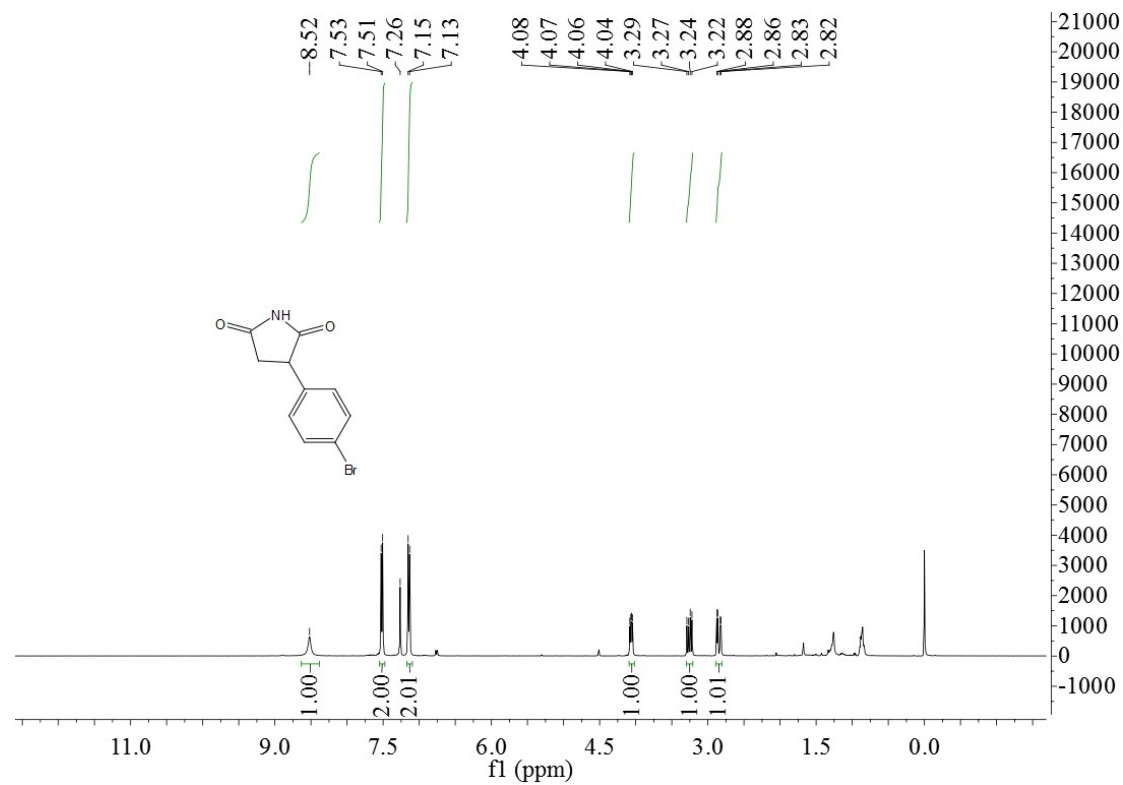


¹³C NMR

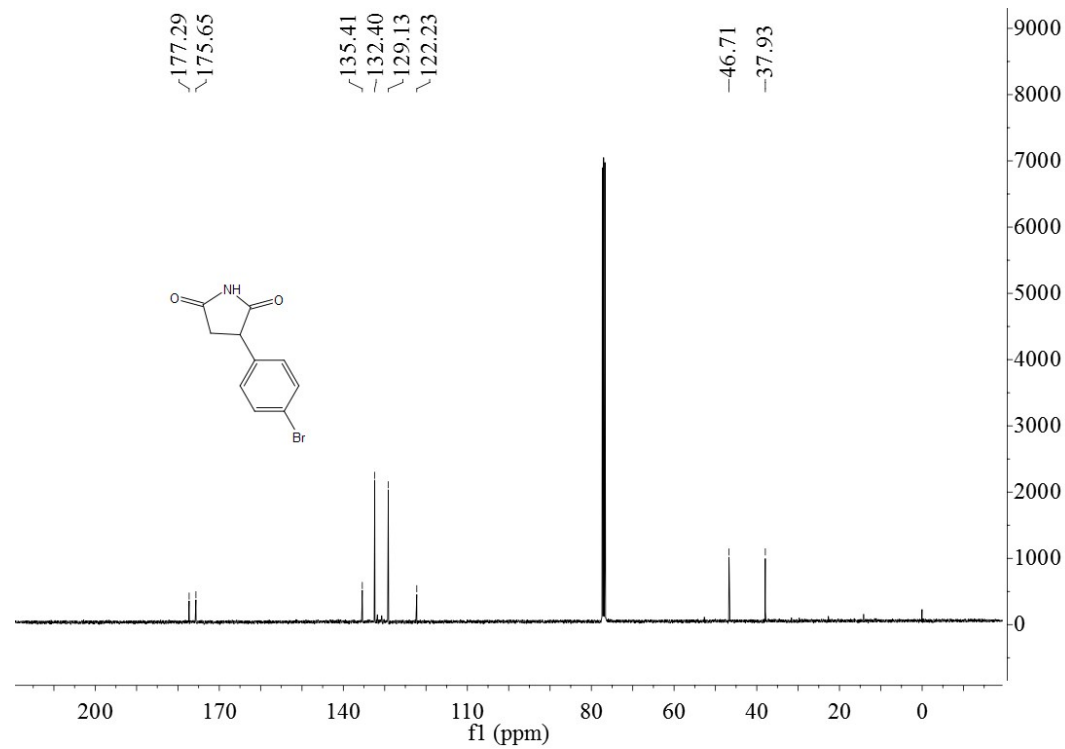


3-(4-bromophenyl)-pyrrolidine-2,5-dione (4d) in CDCl₃

¹H NMR

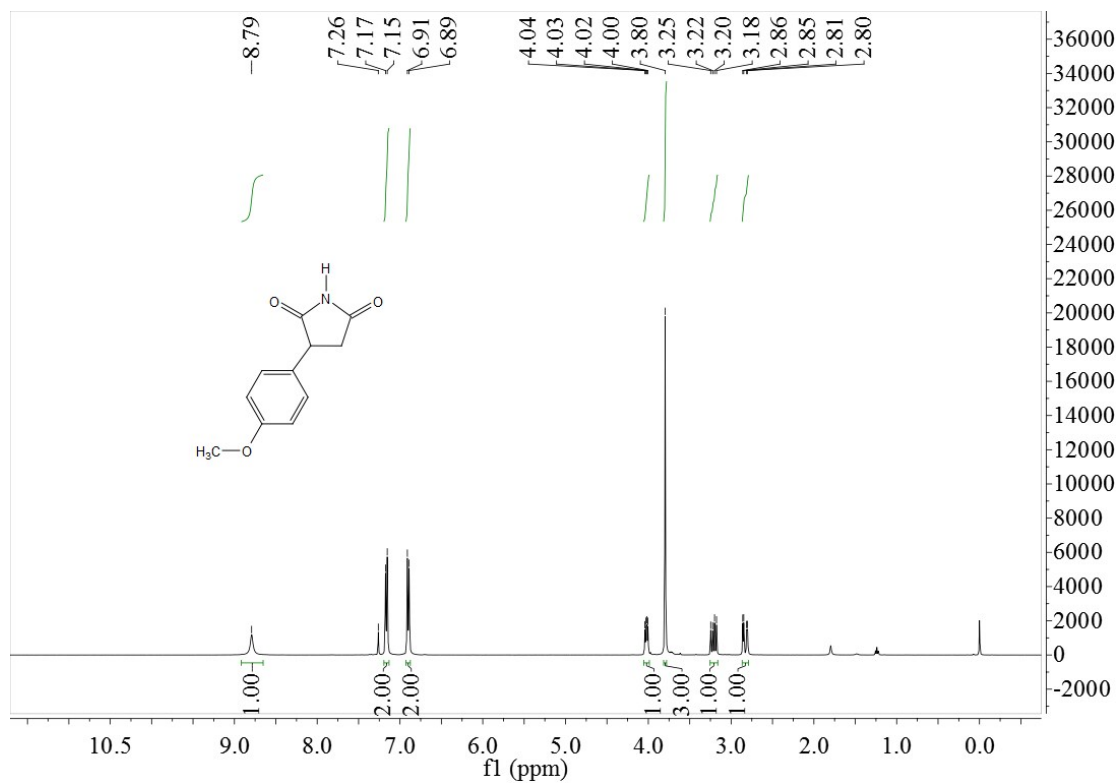


¹³C NMR

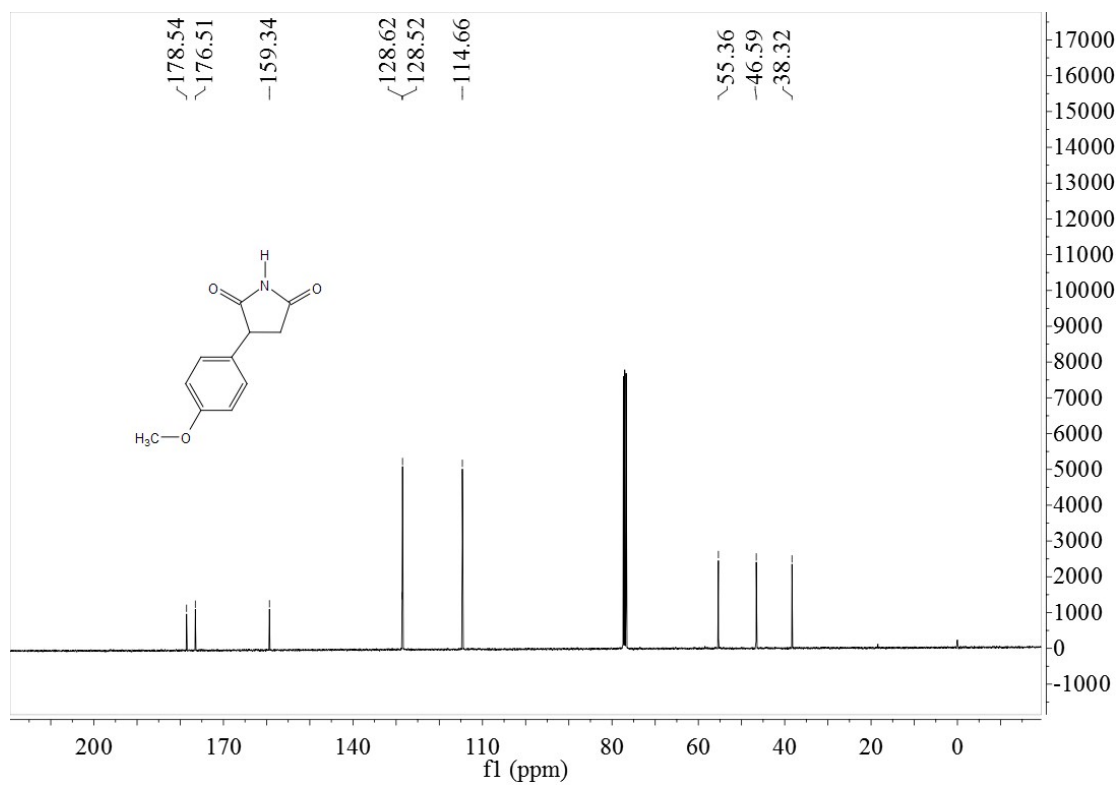


3-(4-methoxyphenyl)-pyrrolidine-2,5-dione (4e) in CDCl₃

¹H NMR

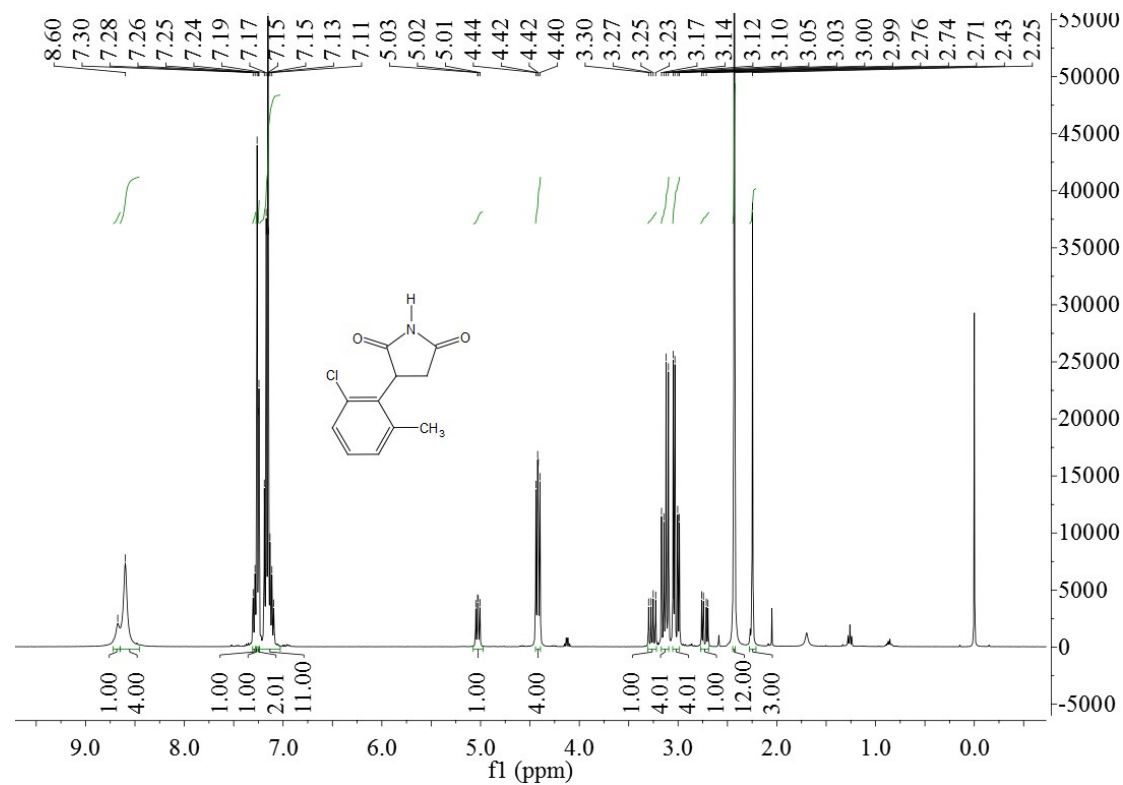


¹³C NMR

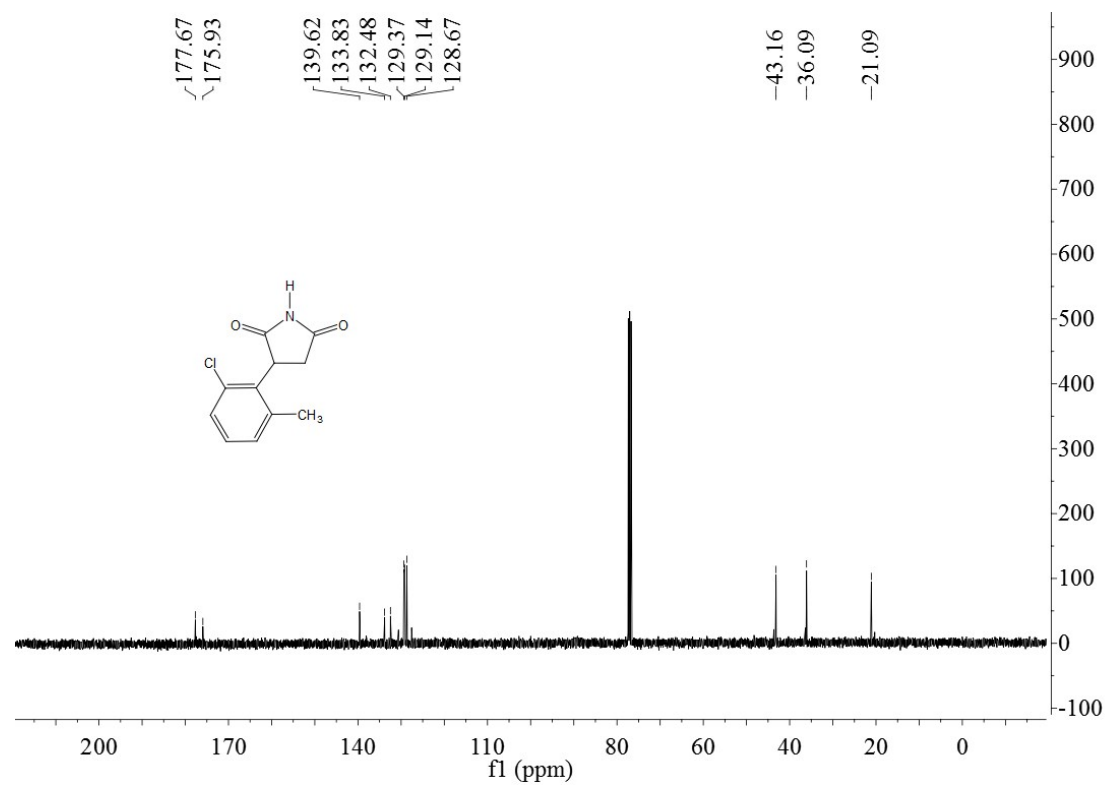


3-(2-chloro-6-methylphenyl)-pyrrolidine-2,5-dione (4f) in CDCl₃

¹H NMR

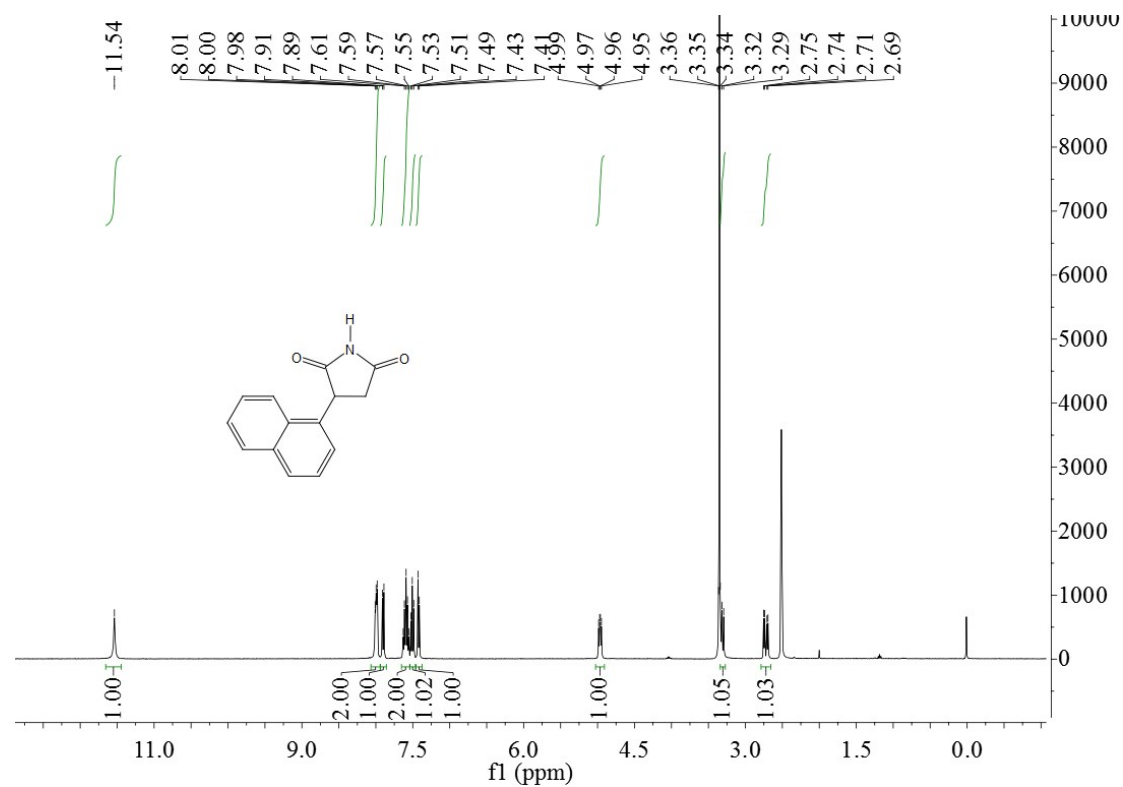


¹³C NMR

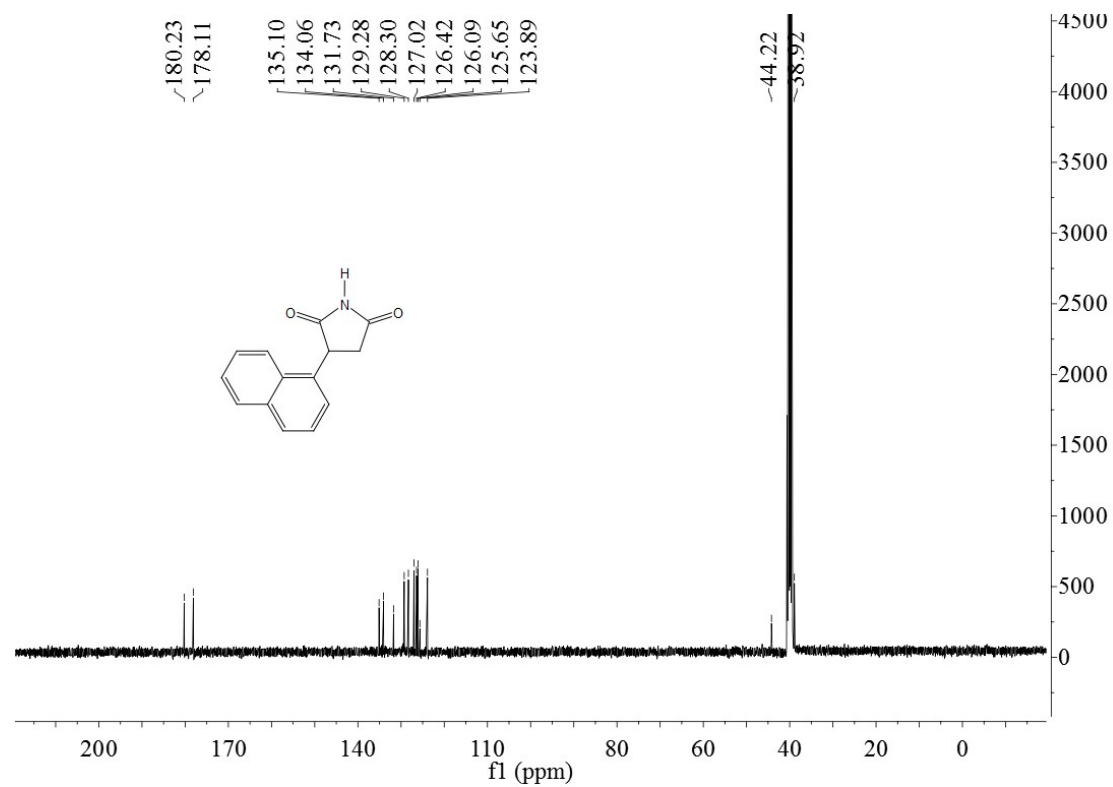


3-(Naphthalen-2-yl)-pyrrolidine-2,5-dione (4g) in DMSO-d₆

¹H NMR

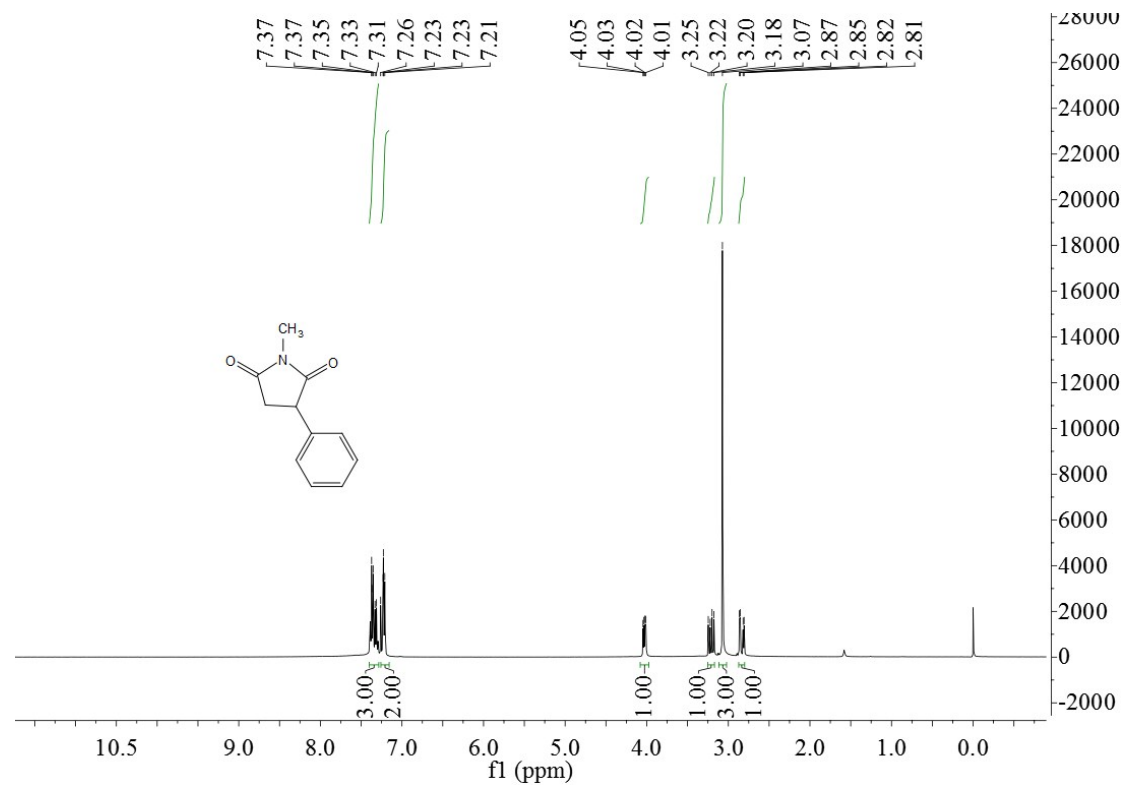


¹³C NMR

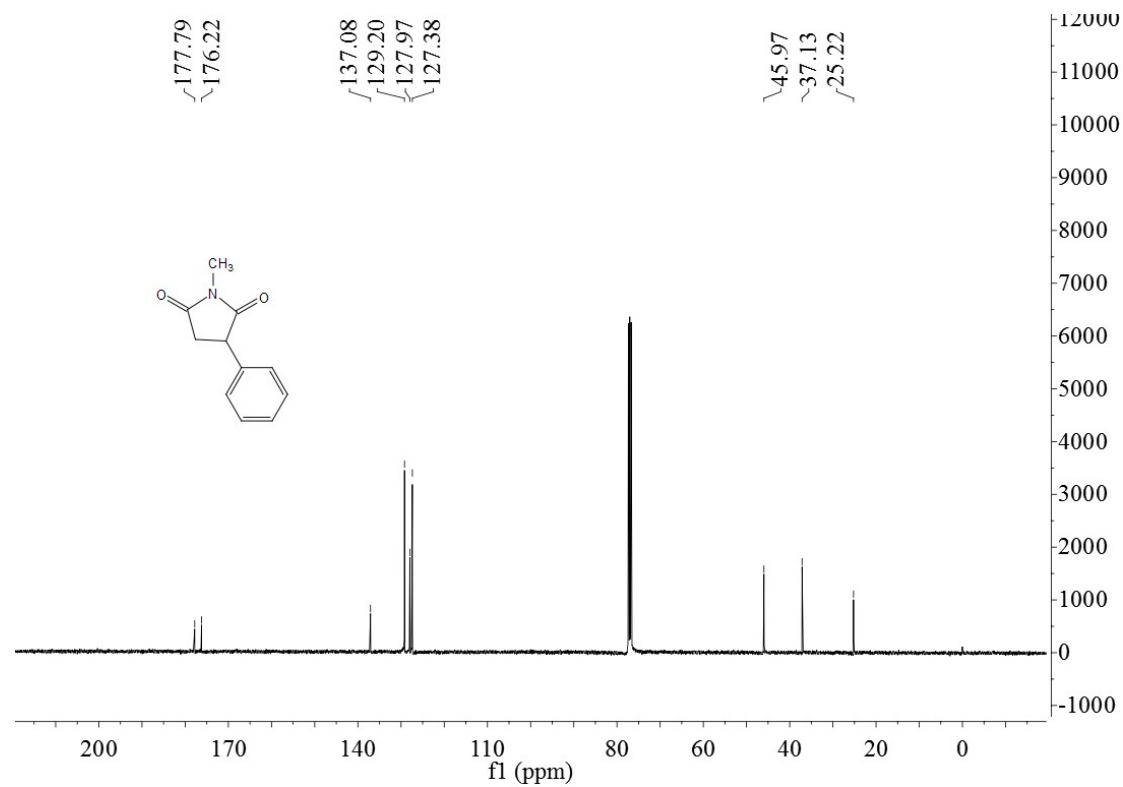


1-methyl-3-phenyl-pyrrolidine-2,5-dione (4h) in CDCl₃

¹H NMR

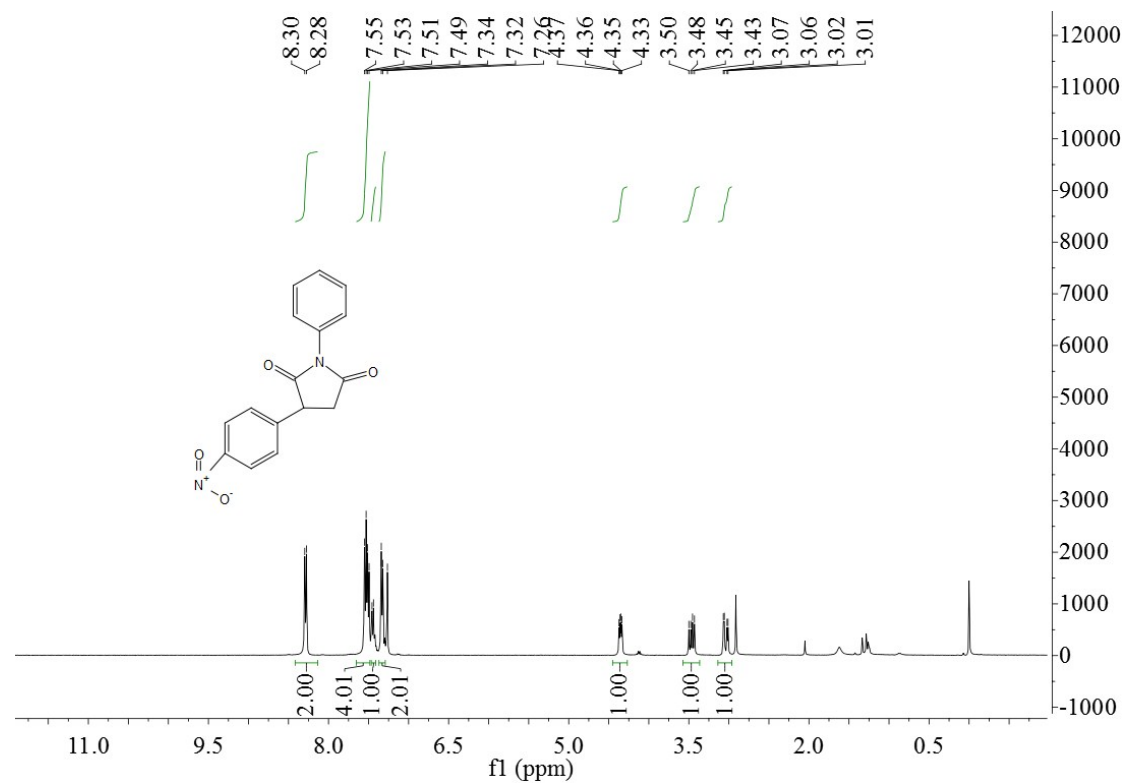


¹³C NMR

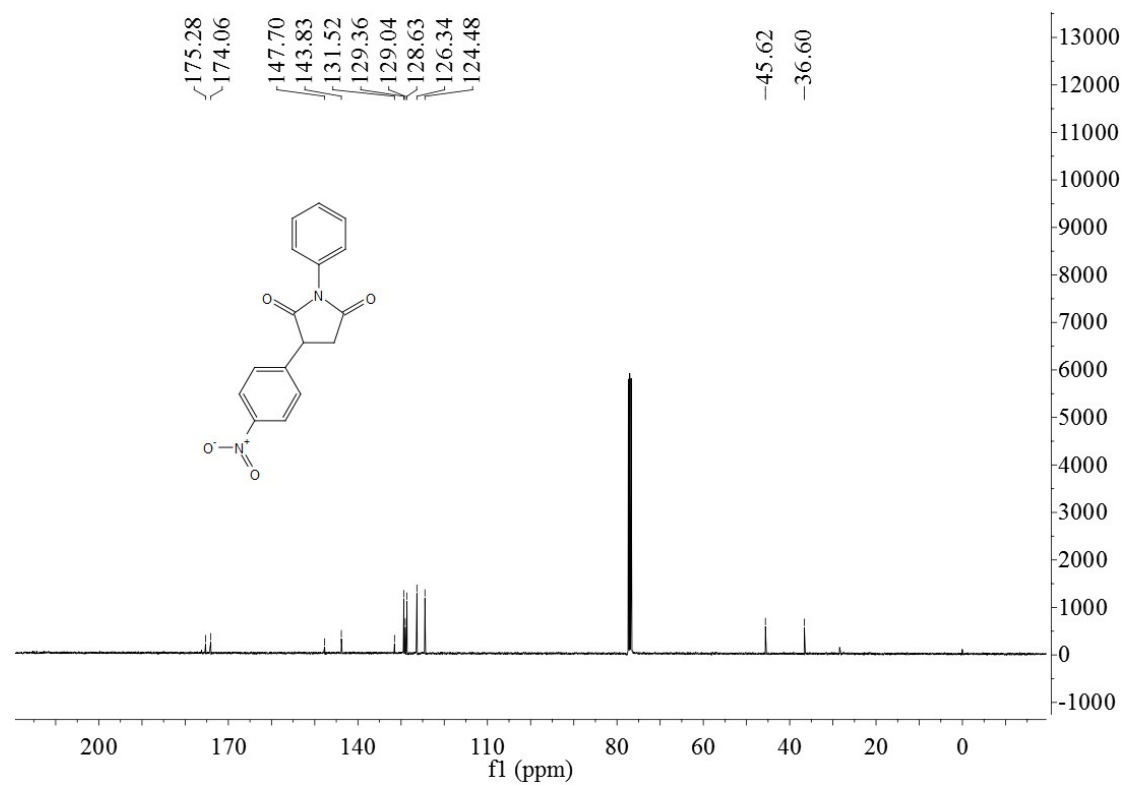


3-(4-nitrophenyl)-1-phenyl-Pyrrolidine-2,5-dione (4i) in CDCl₃

¹H NMR

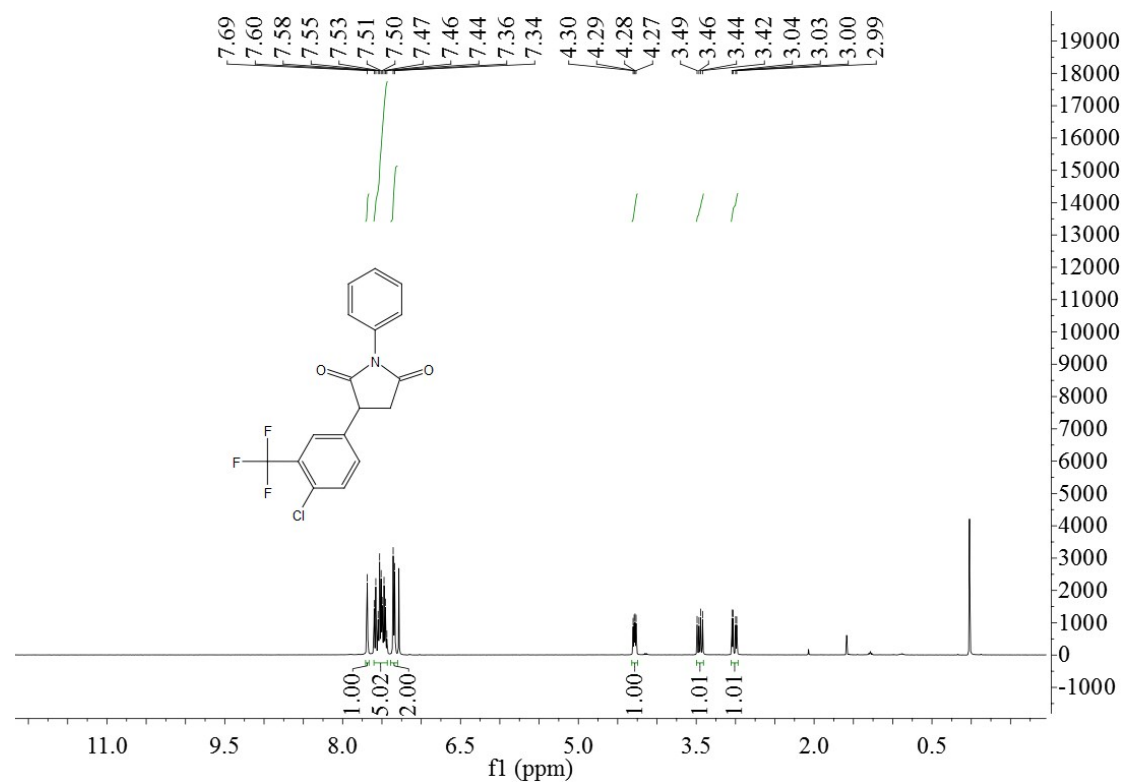


¹³C NMR

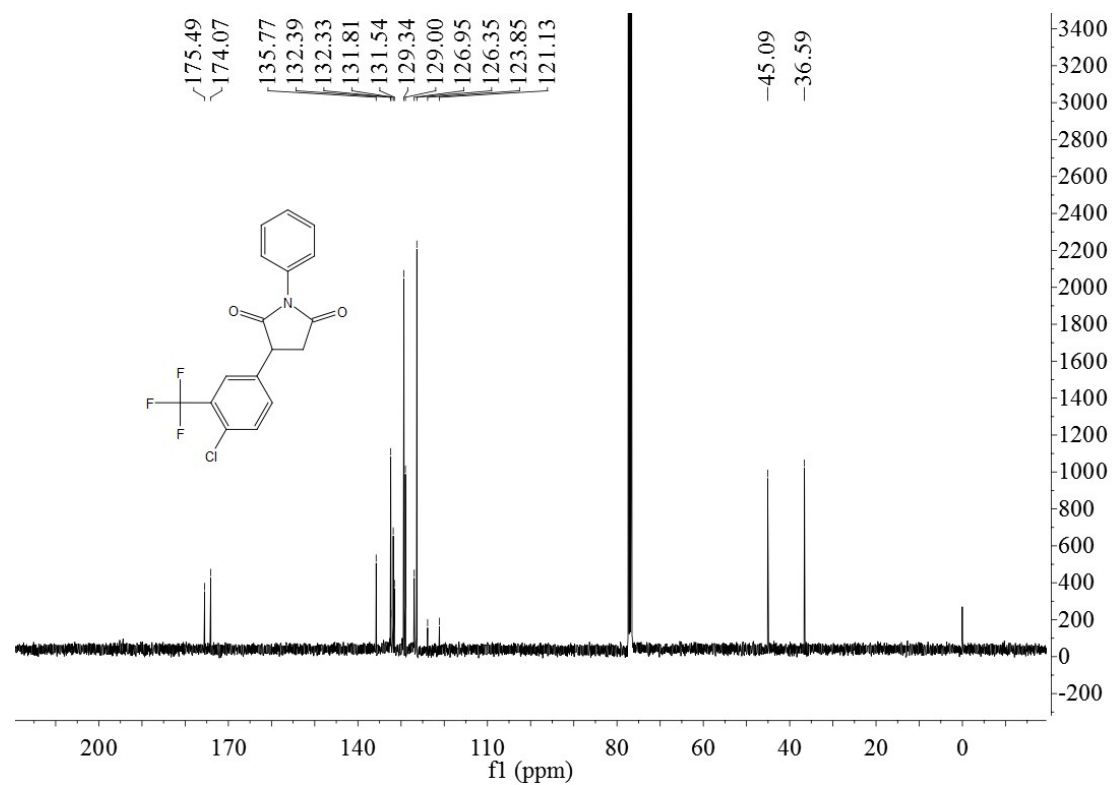


3-(3-chloro-4-trifluoromethylphenyl)-1-phenyl-Pyrrolidine-2,5-dione (4j) in CDCl₃

¹H NMR

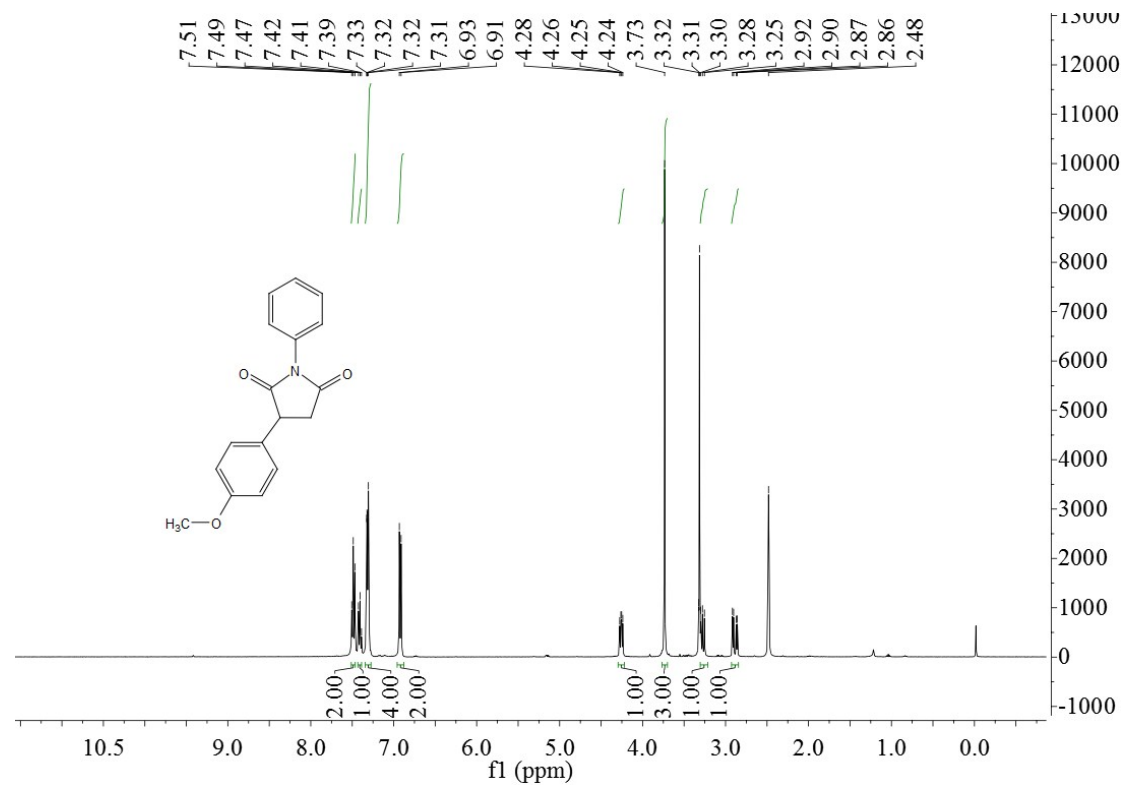


¹³C NMR

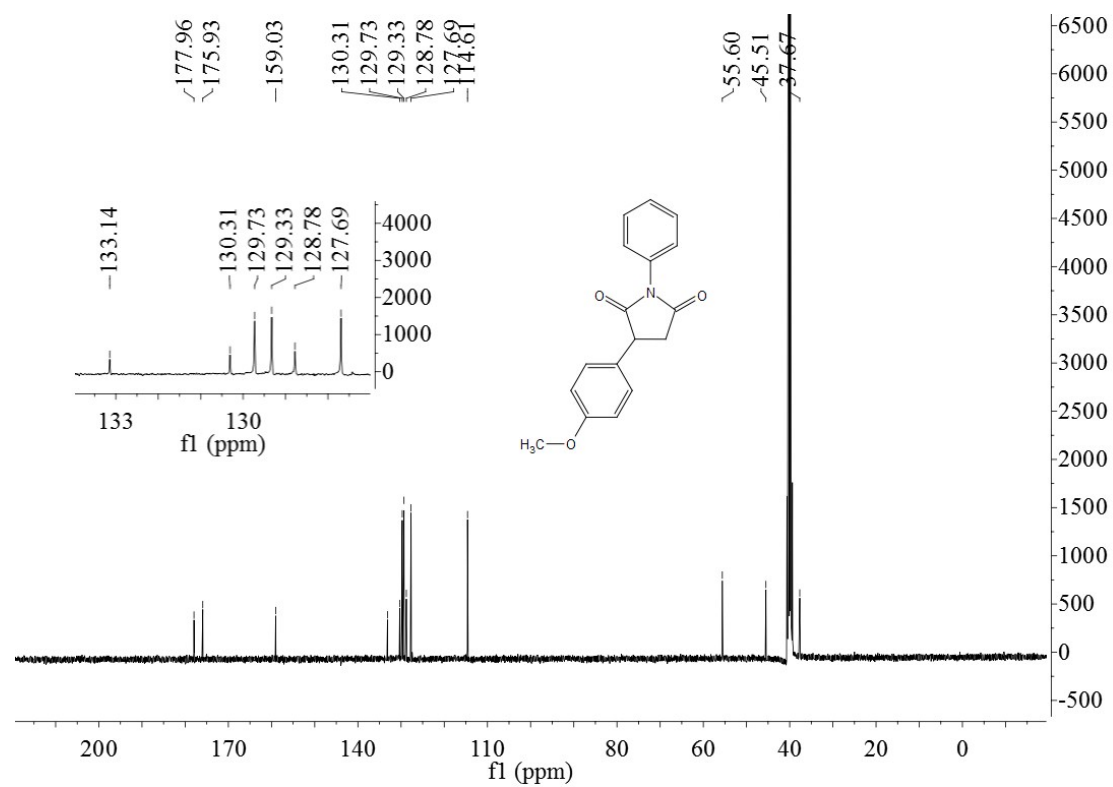


3-(4-methoxyphenyl)-1-phenyl-pyrrolidine-2,5-dione (4k) in DMSO-d₆

¹H NMR

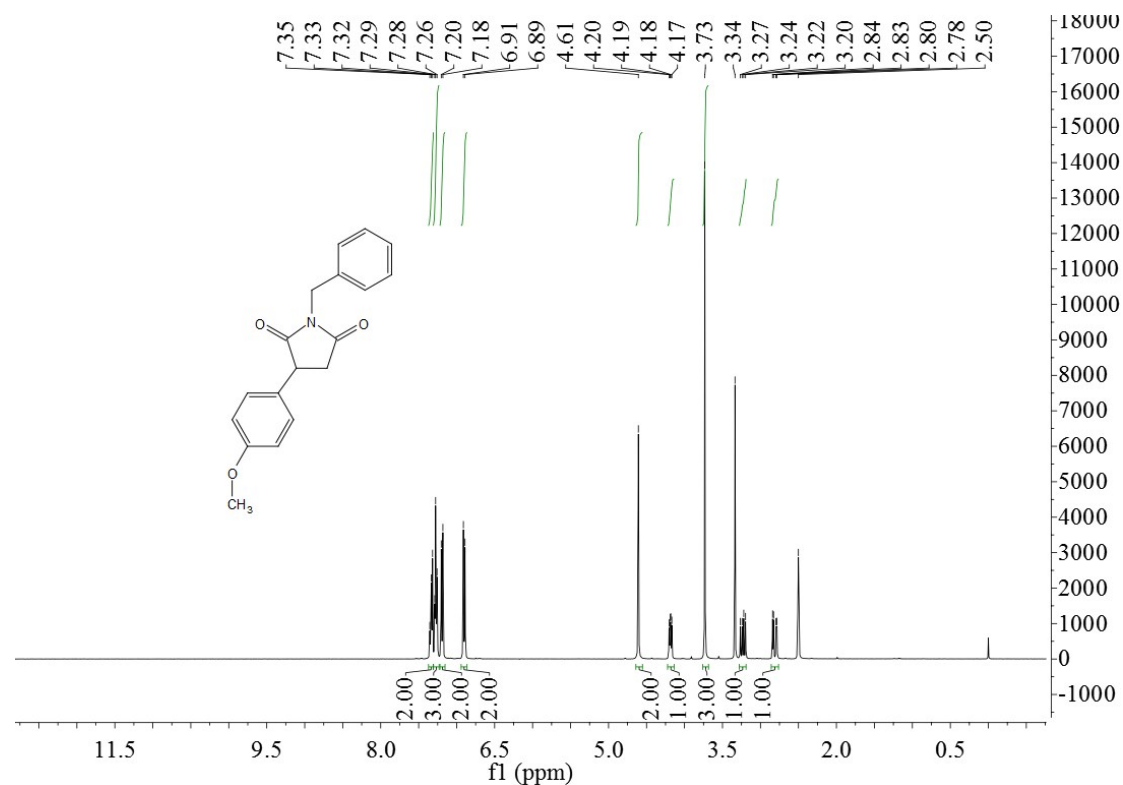


¹³C NMR

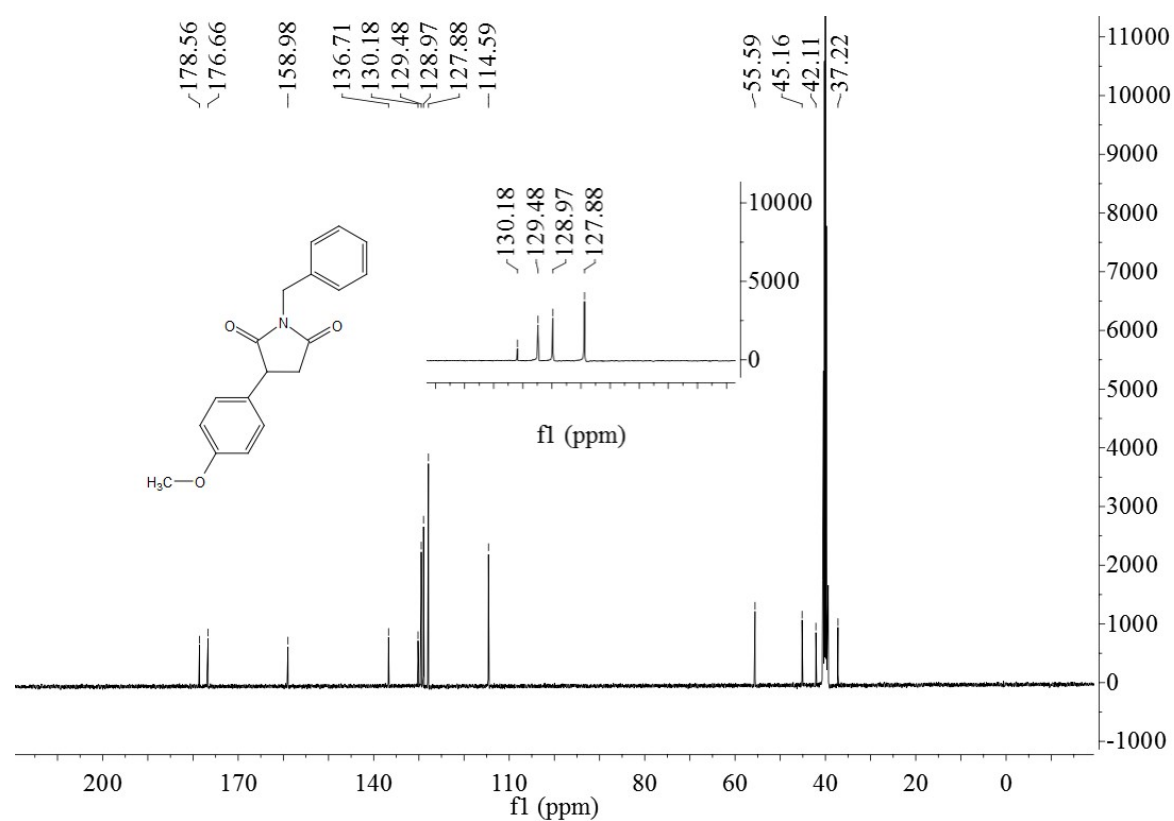


3-(4-methoxyphenyl)-1-benzyl-pyrrolidine-2,5-dione (4l) in DMSO-d₆

¹H NMR

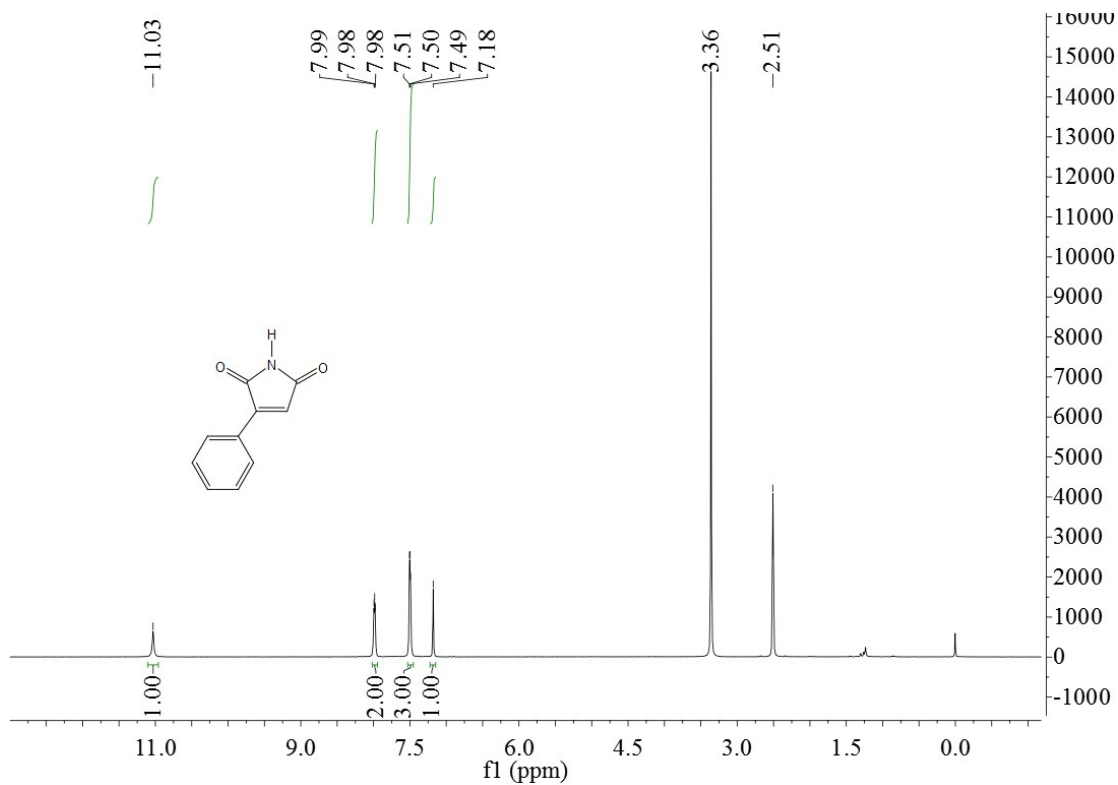


¹³C NMR

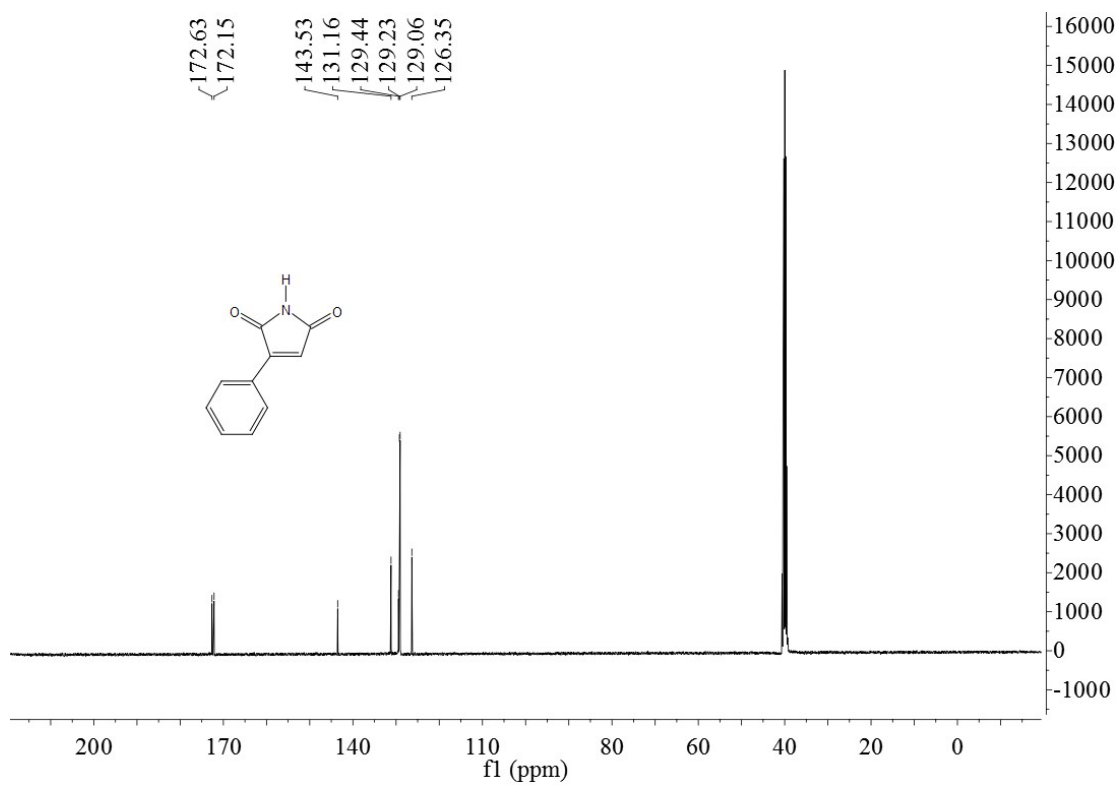


3-phenyl-1H-pyrrole-2,5-dione (5a) in DMSO-d₆

¹H NMR

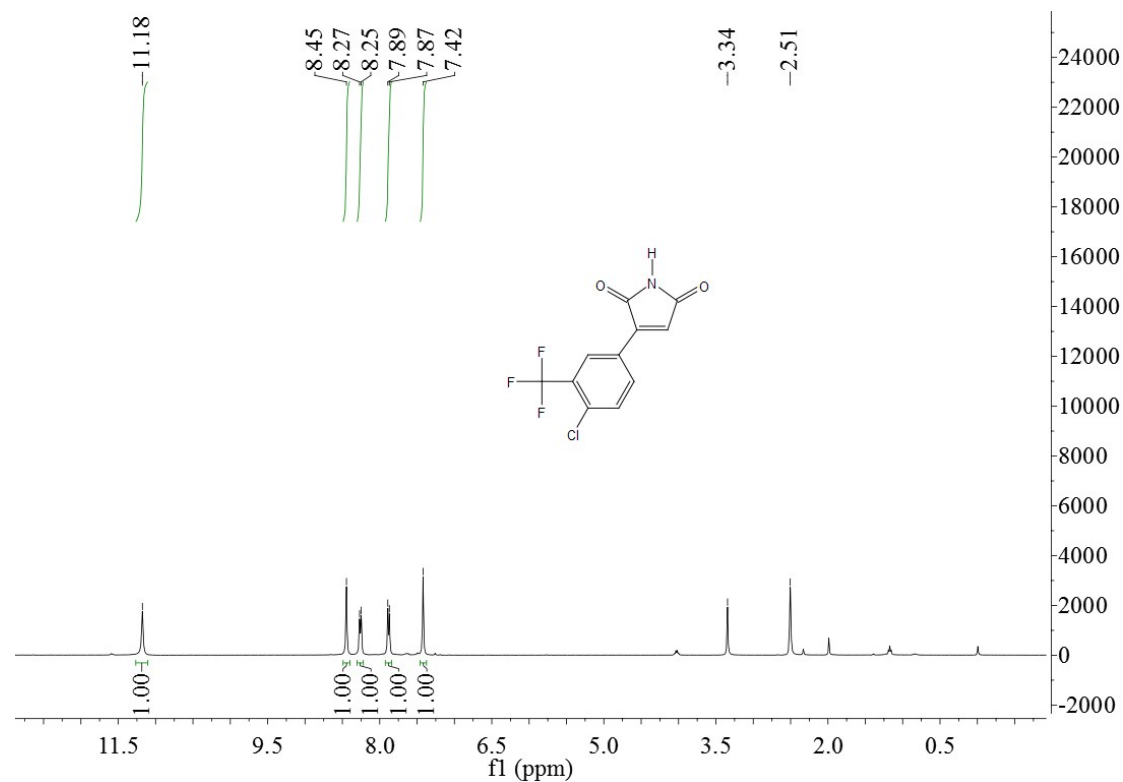


¹³C NMR

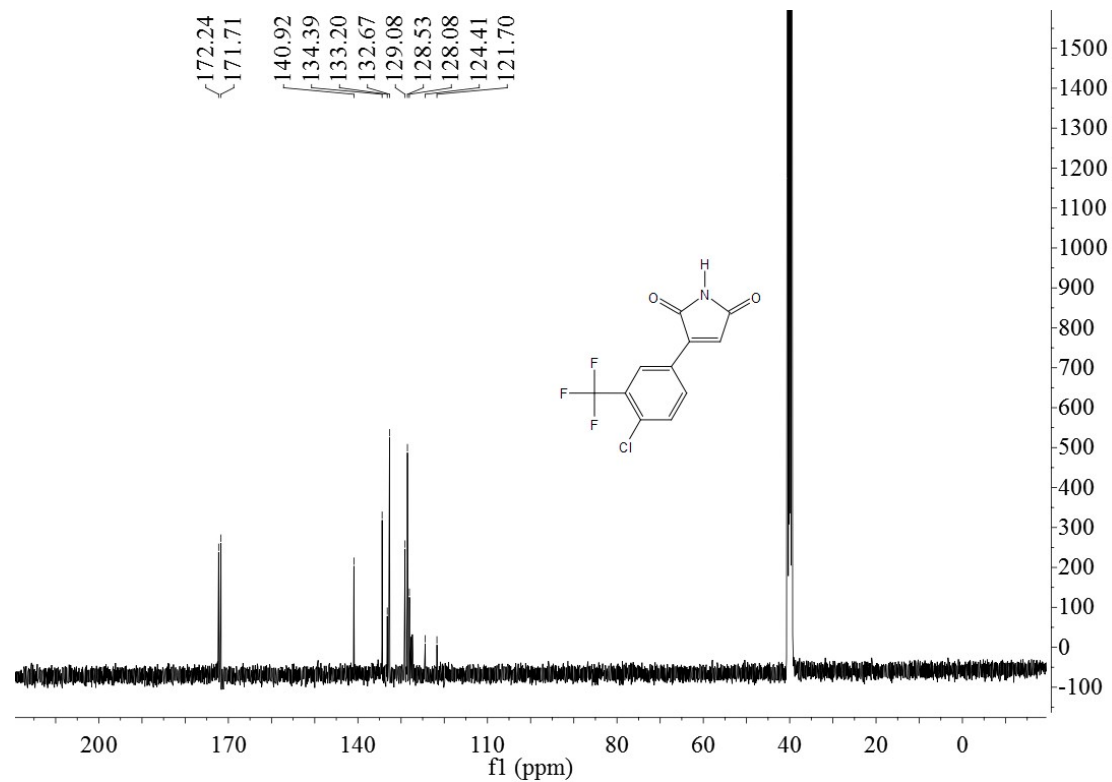


3-(3-chloro-4-trifluoromethylphenyl)-1H-pyrrole-2,5-dione (5b) in DMSO-d₆

¹H NMR

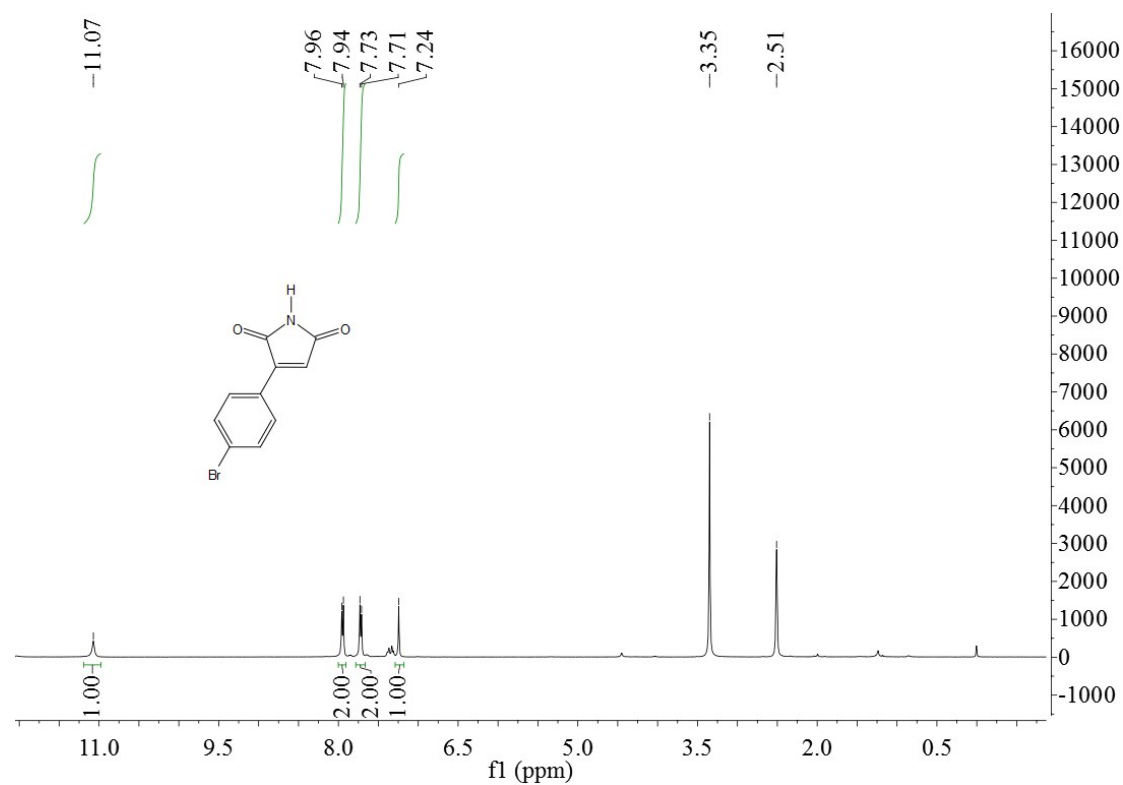


¹³C NMR

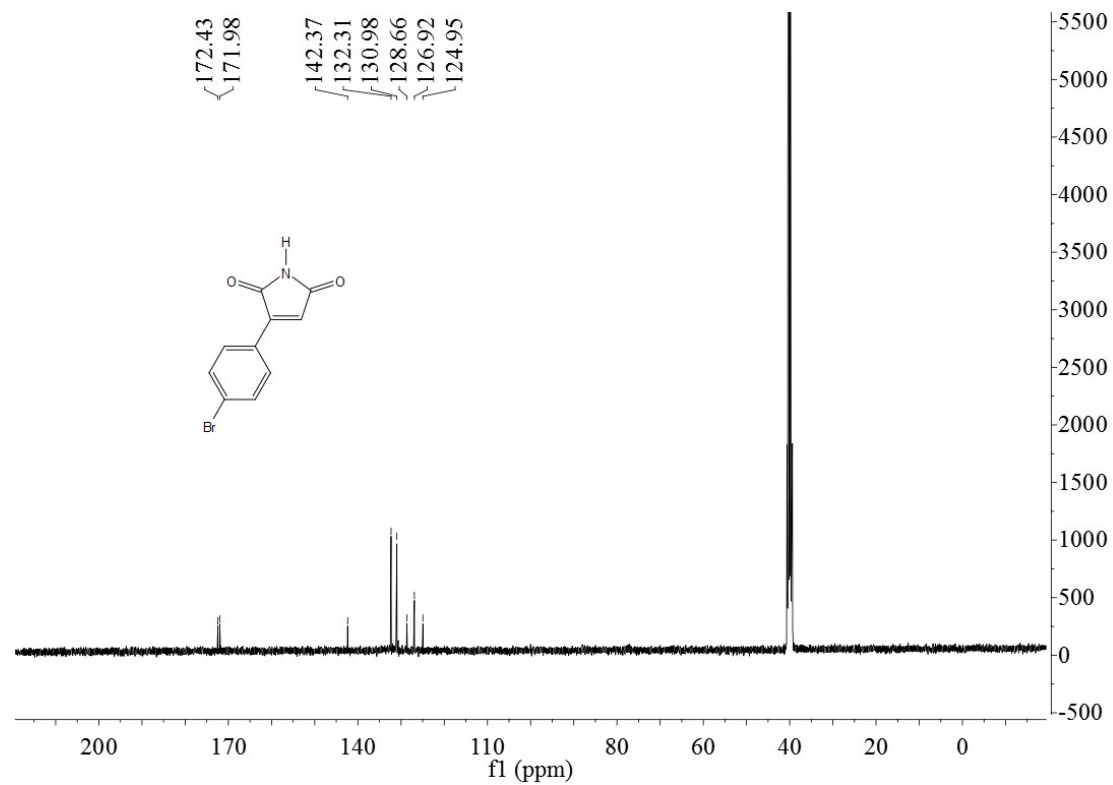


3-(4-bromophenyl)-1H-pyrrole-2,5-dione (5c) in DMSO-d₆

¹H NMR

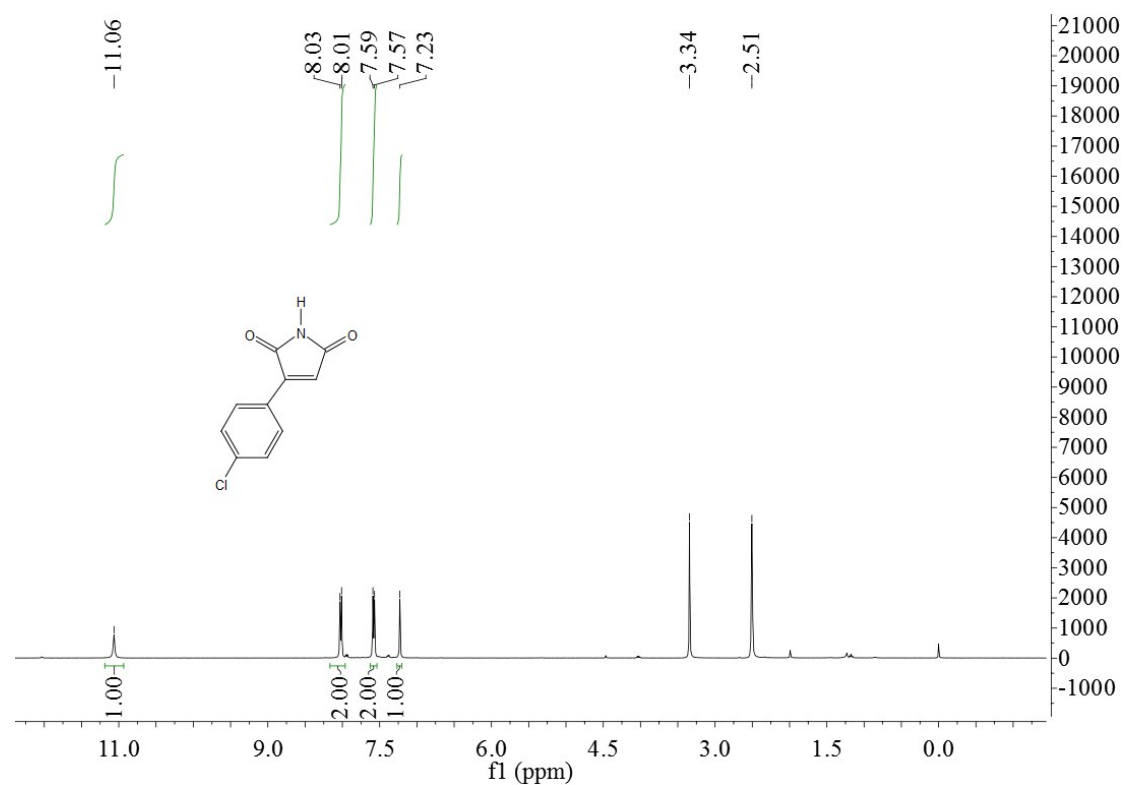


¹³C NMR

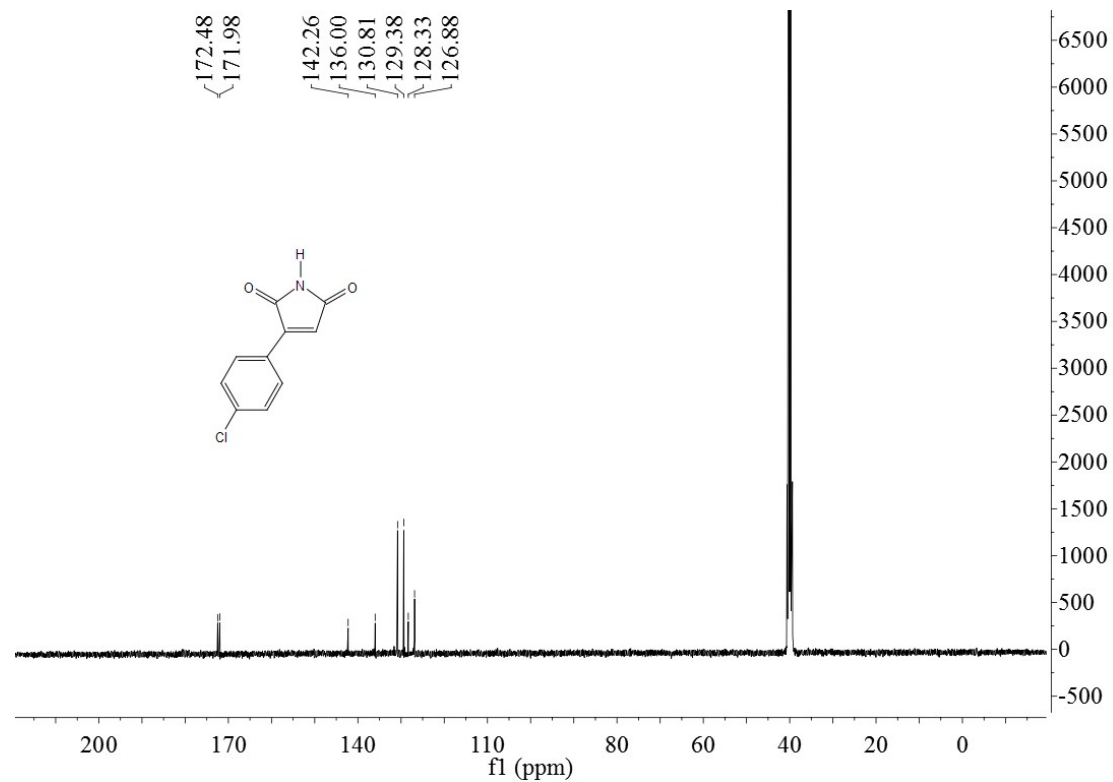


3-(4-chlorophenyl)-1H-pyrrole-2,5-dione (5d) in DMSO-d₆

¹H NMR

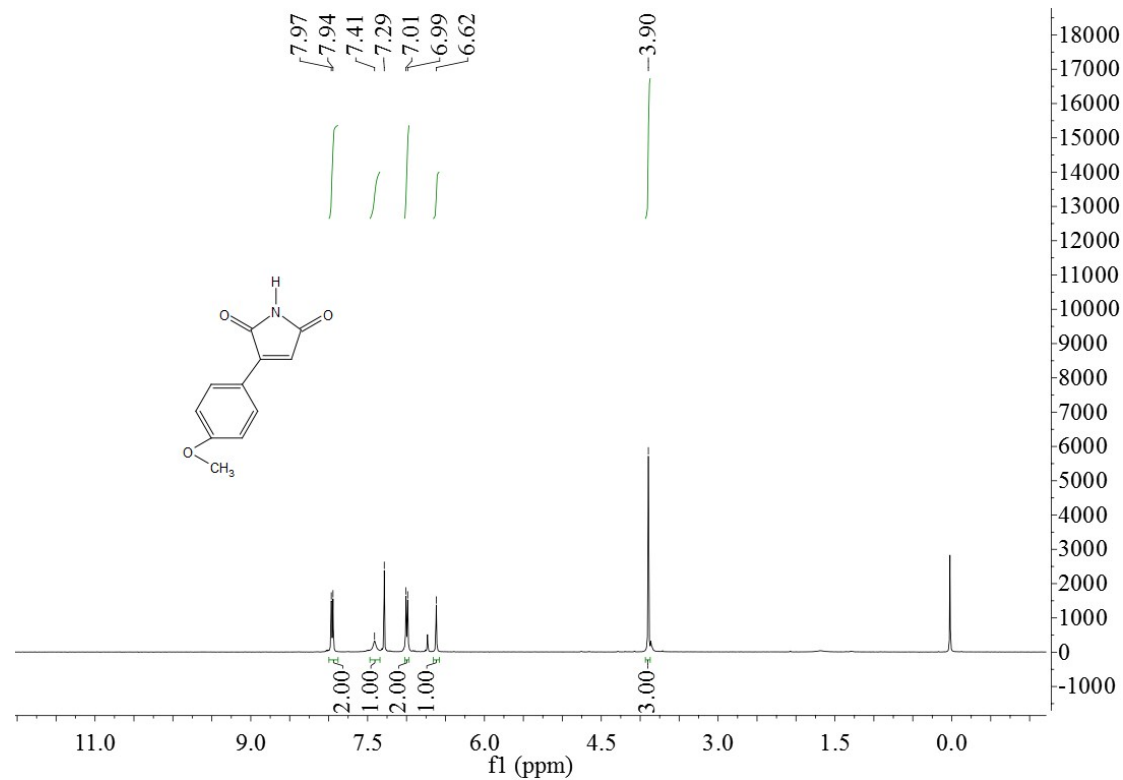


¹³C NMR

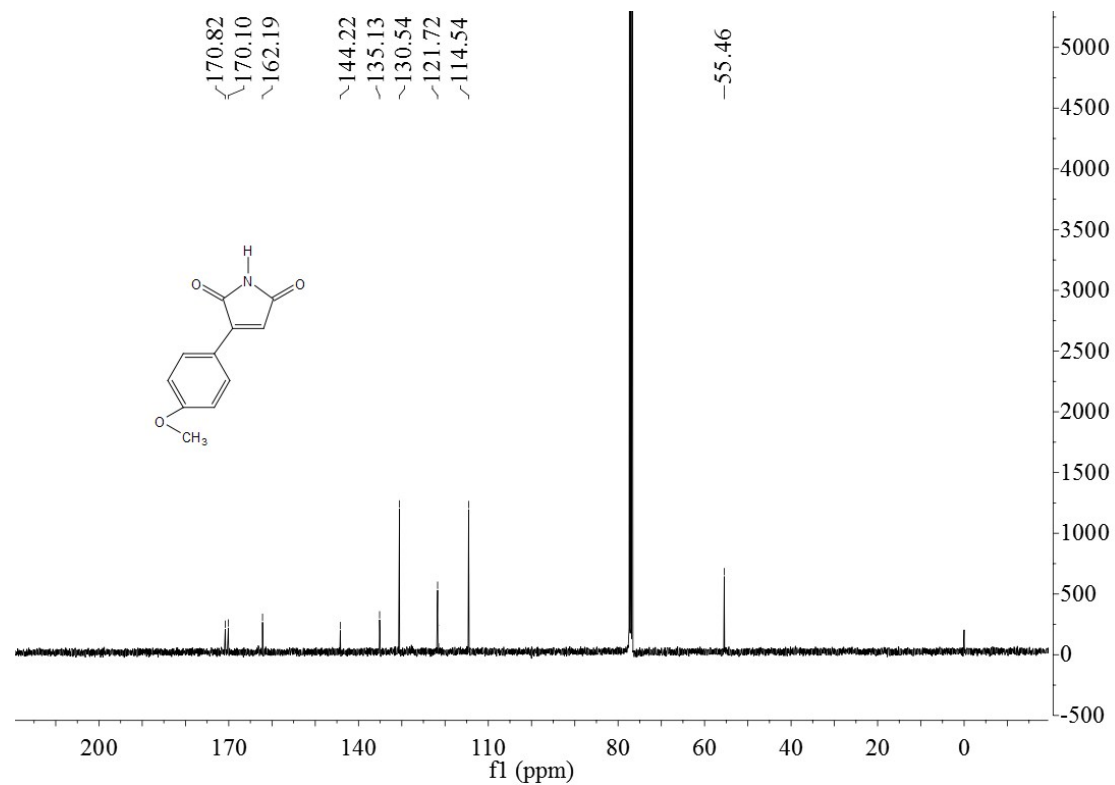


3-(4-methoxyphenyl)-1H-pyrrole-2,5-dione (5e) in CDCl₃

¹H NMR

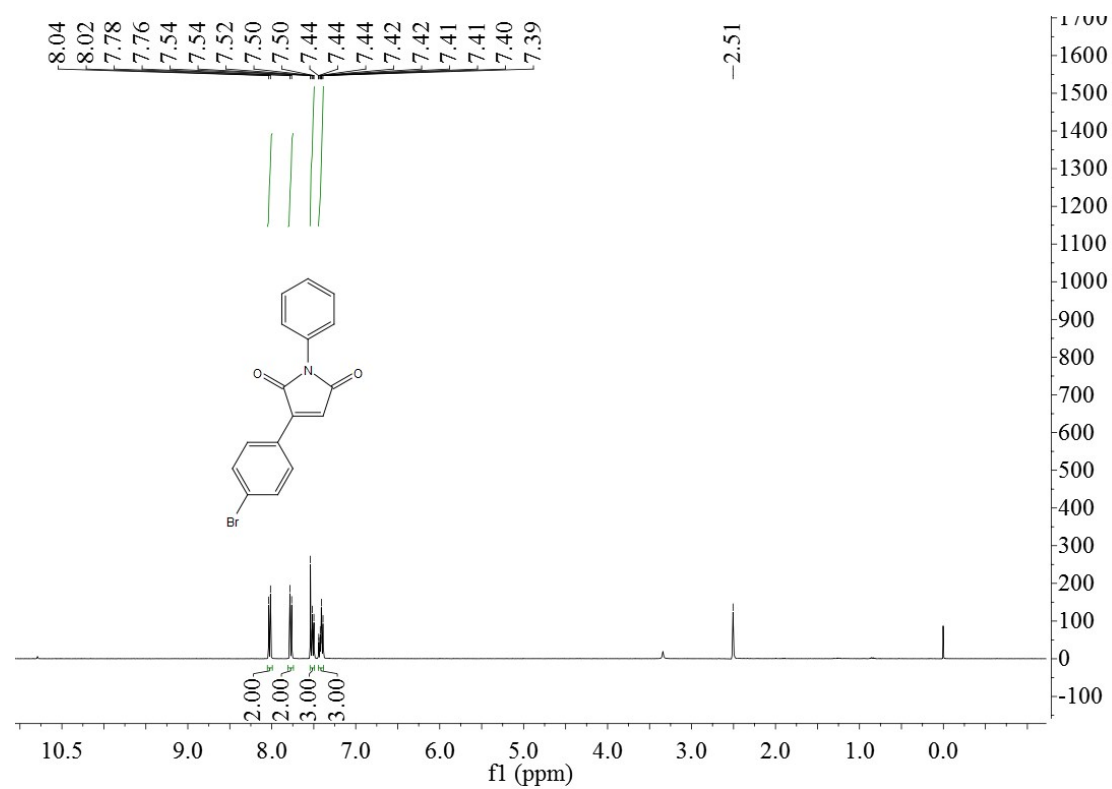


¹³C NMR

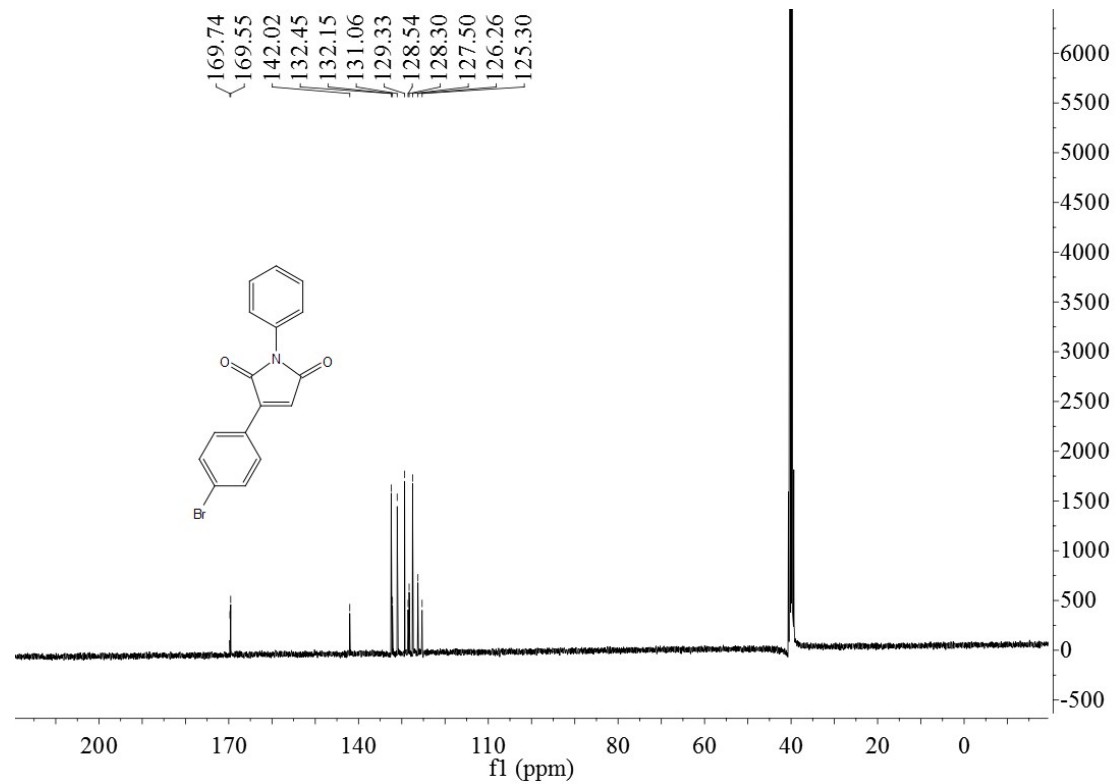


3-(4-bromophenyl)-1-phenyl-1H-pyrrole-2,5-dione (5f) in DMSO-d₆

¹H NMR

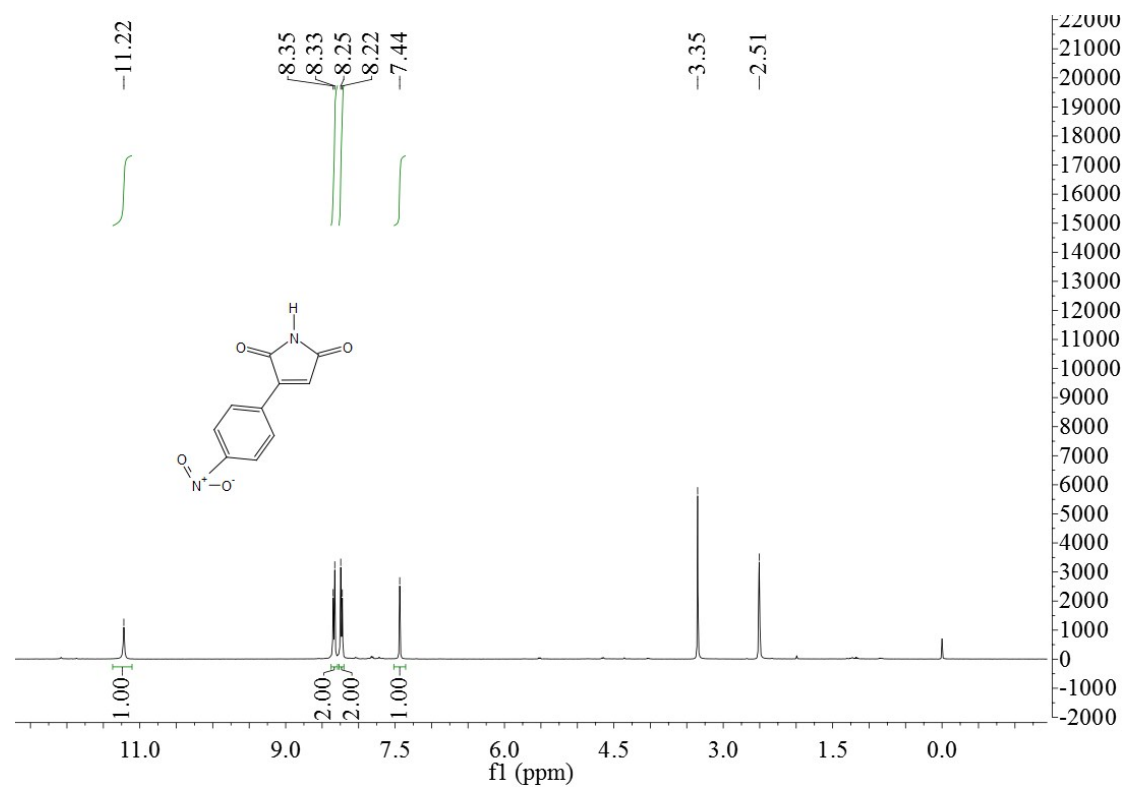


¹³C NMR



3-(4-nitrophenyl)-1H-pyrrole-2,5-dione (5g) in DMSO

¹H NMR



¹³C NMR

