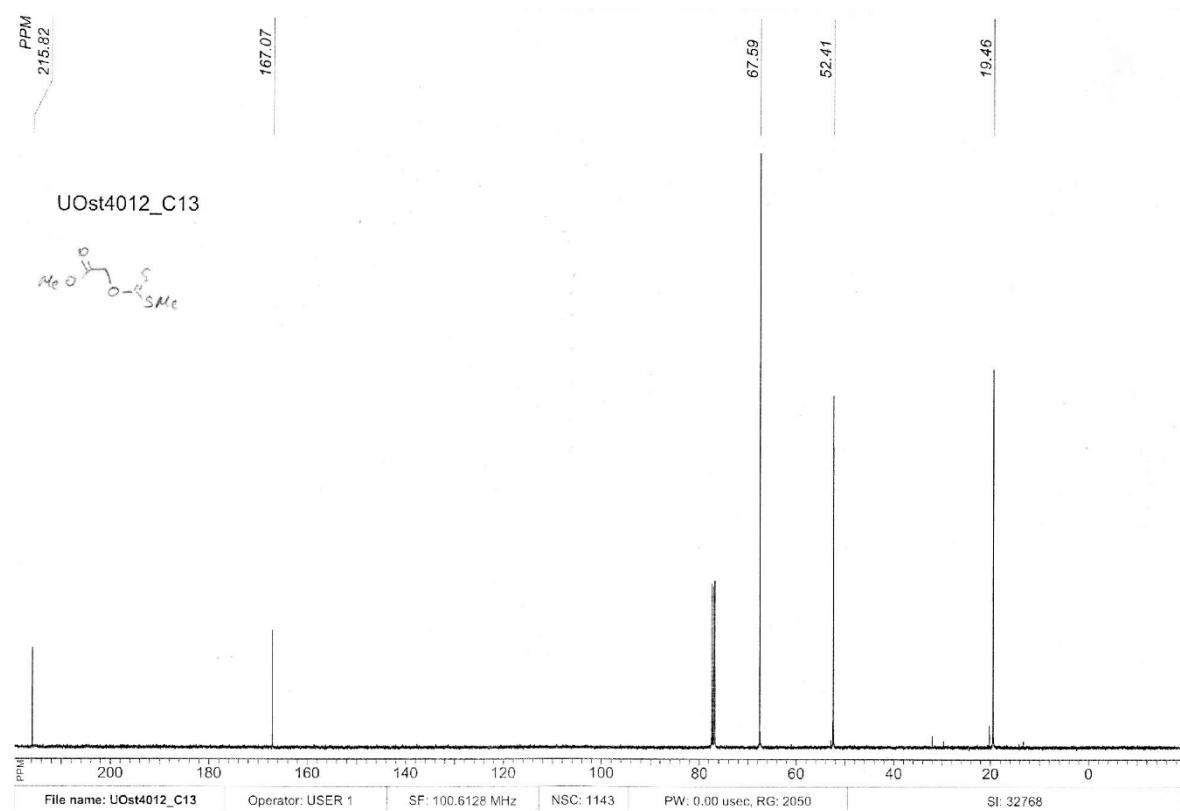
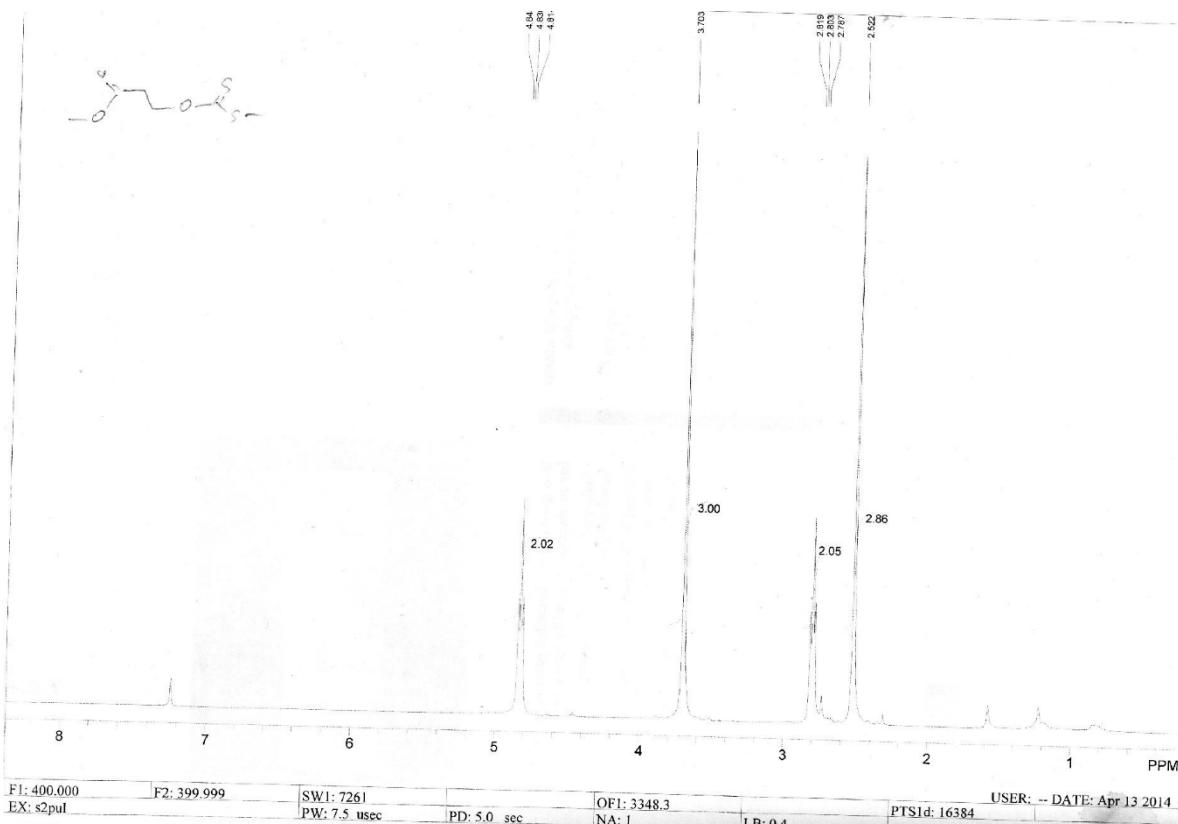


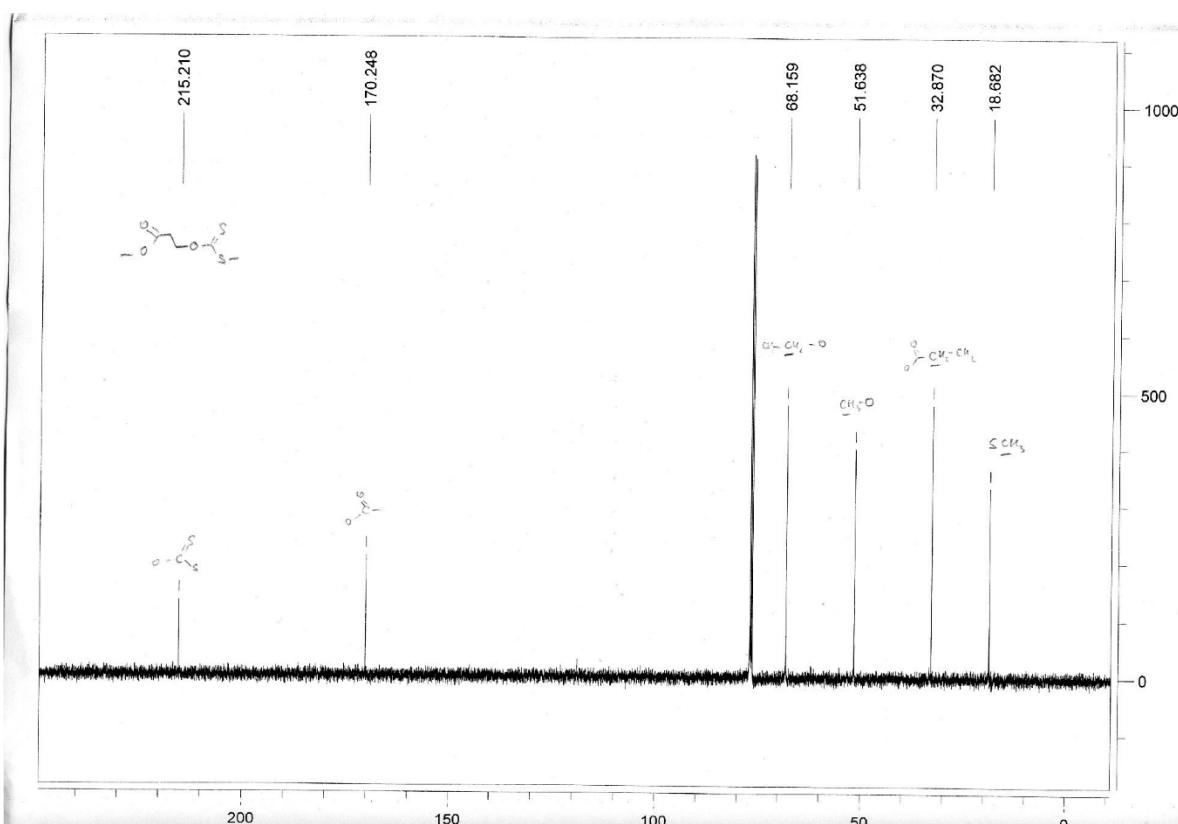
**Figure S1.**  $^1\text{H}$ -NMR spectra of methyl ([methylthio]carbonothioyl)oxyacetate **1a**.



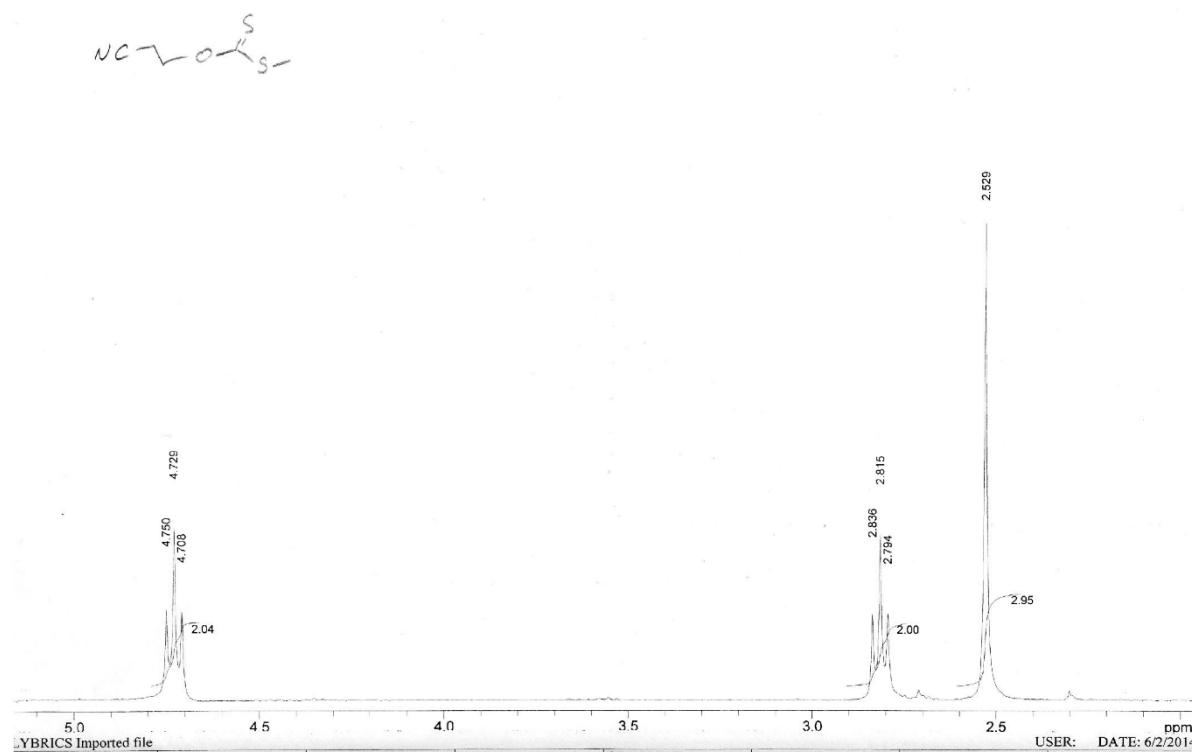
**Figure S2.**  $^{13}\text{C}$ -NMR spectra of methyl ([methylthio]carbonothioyl)oxyacetate **1a**.



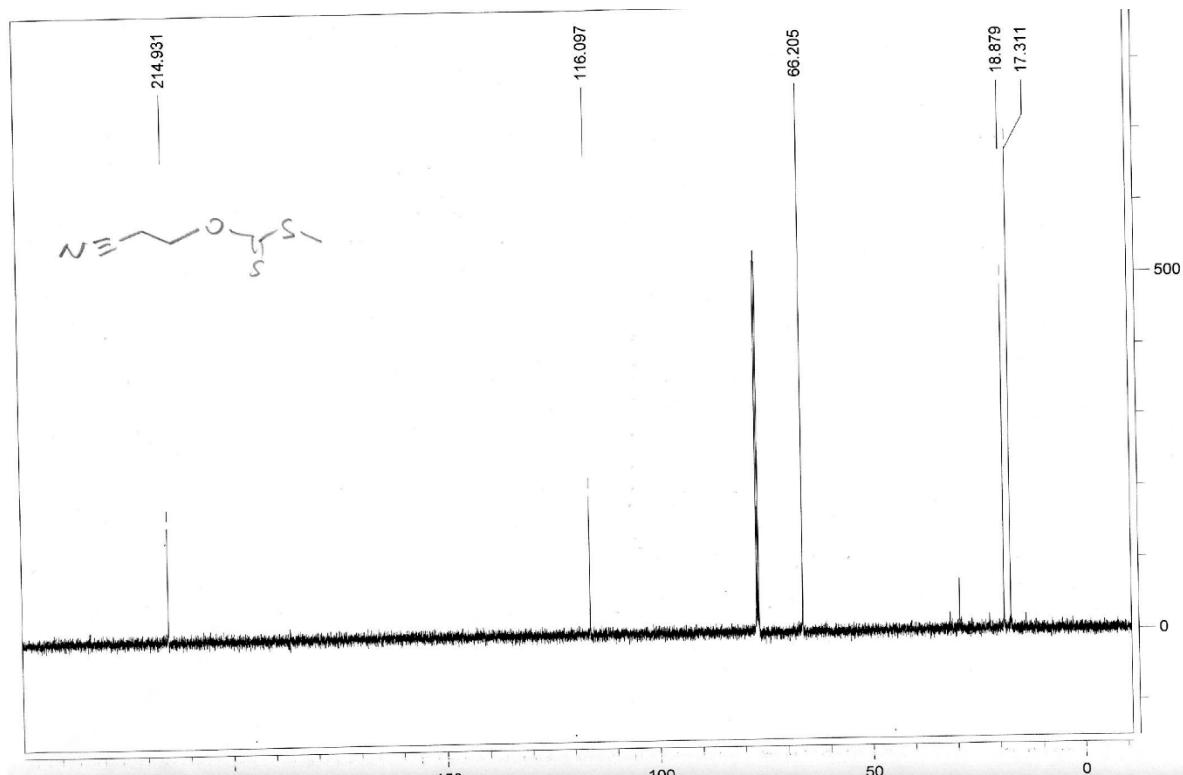
**Figure S3.**  $^1\text{H}$ -NMR spectra of methyl 3-[(methylsulfanyl)carbonothioyl]oxypropanoate **1b**.



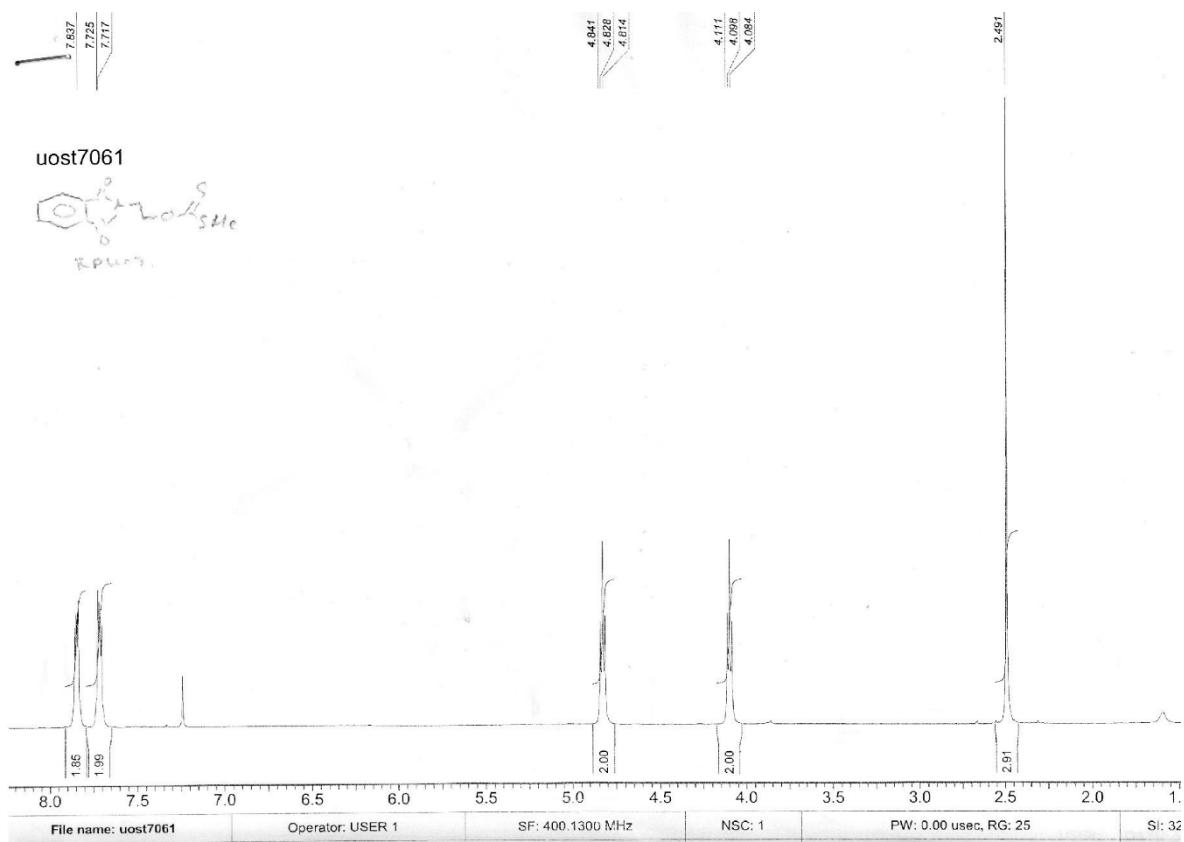
**Figure S4.**  $^{13}\text{C}$ -NMR spectra of methyl 3-[(methylsulfanyl)carbonothioyl]oxypropanoate **1b**.



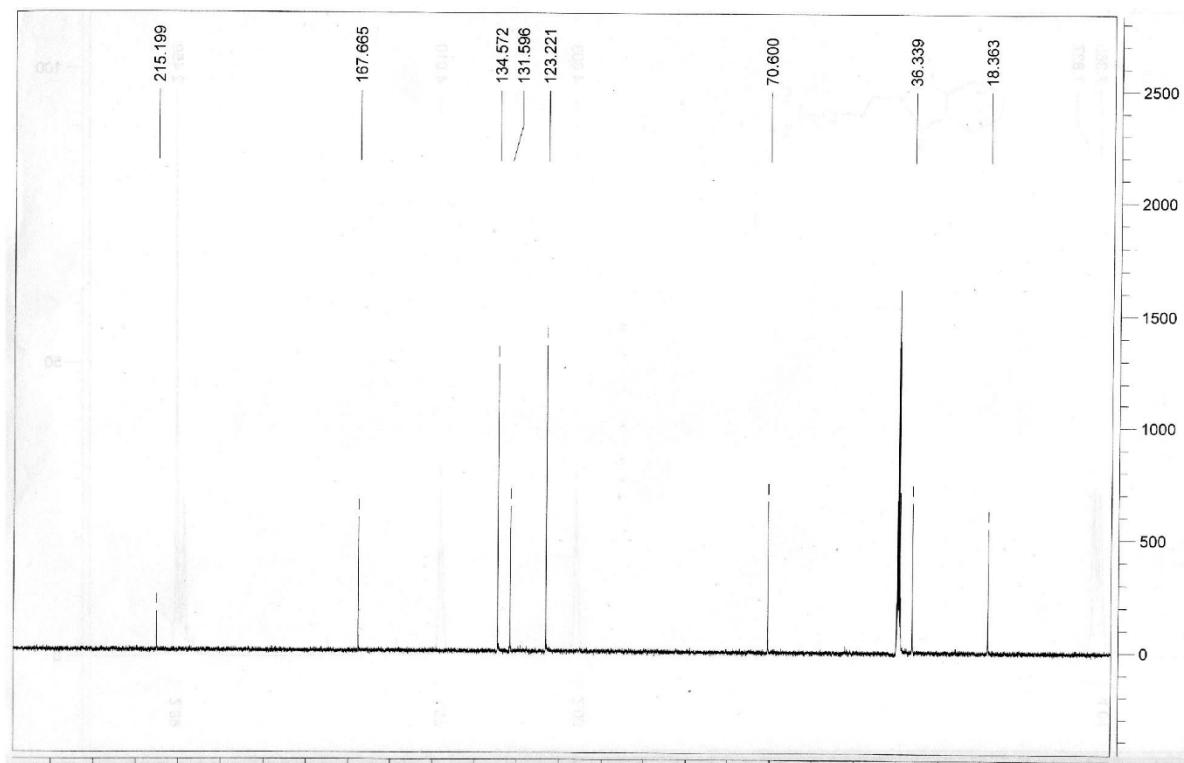
**Figure S5.**  $^1\text{H}$ -NMR spectra of O-(2-cyanoethyl)-S-methyl-dithiocarbonate **1c**.



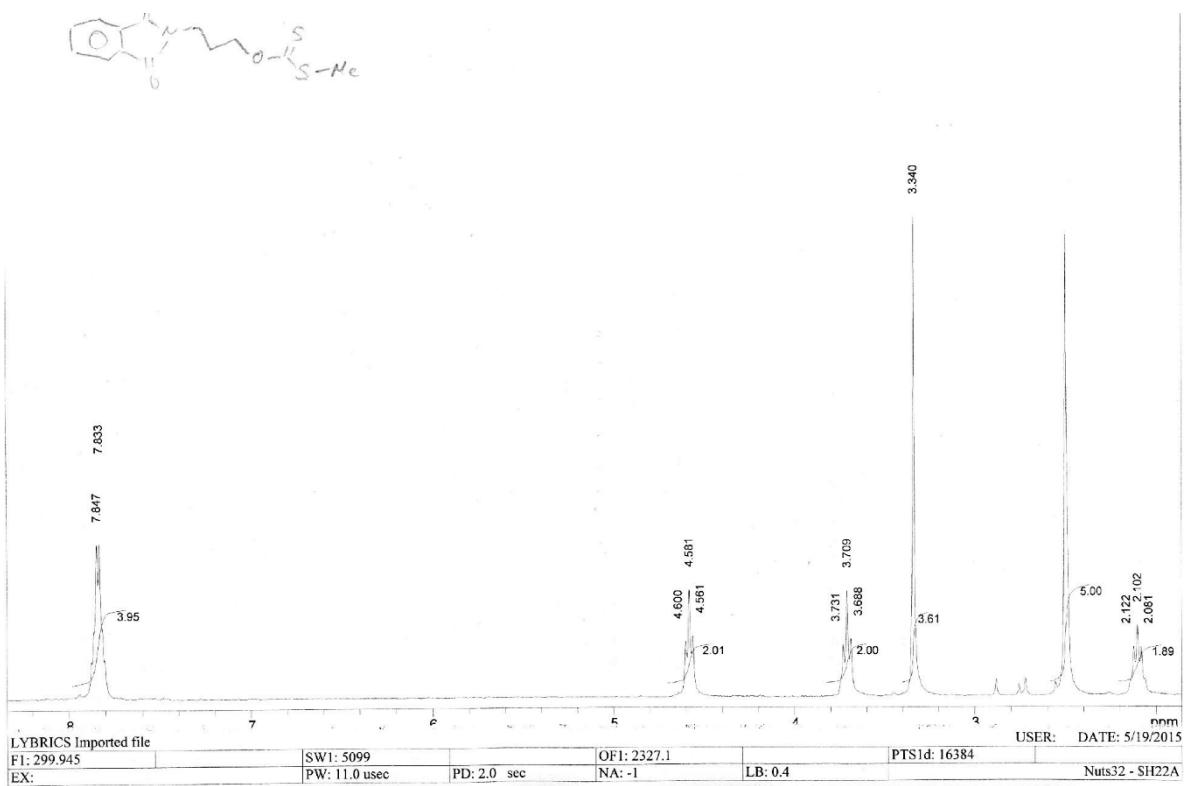
**Figure S6.**  $^{13}\text{C}$ -NMR spectra of O-(2-cyanoethyl)-S-methyl-dithiocarbonate **1c**.



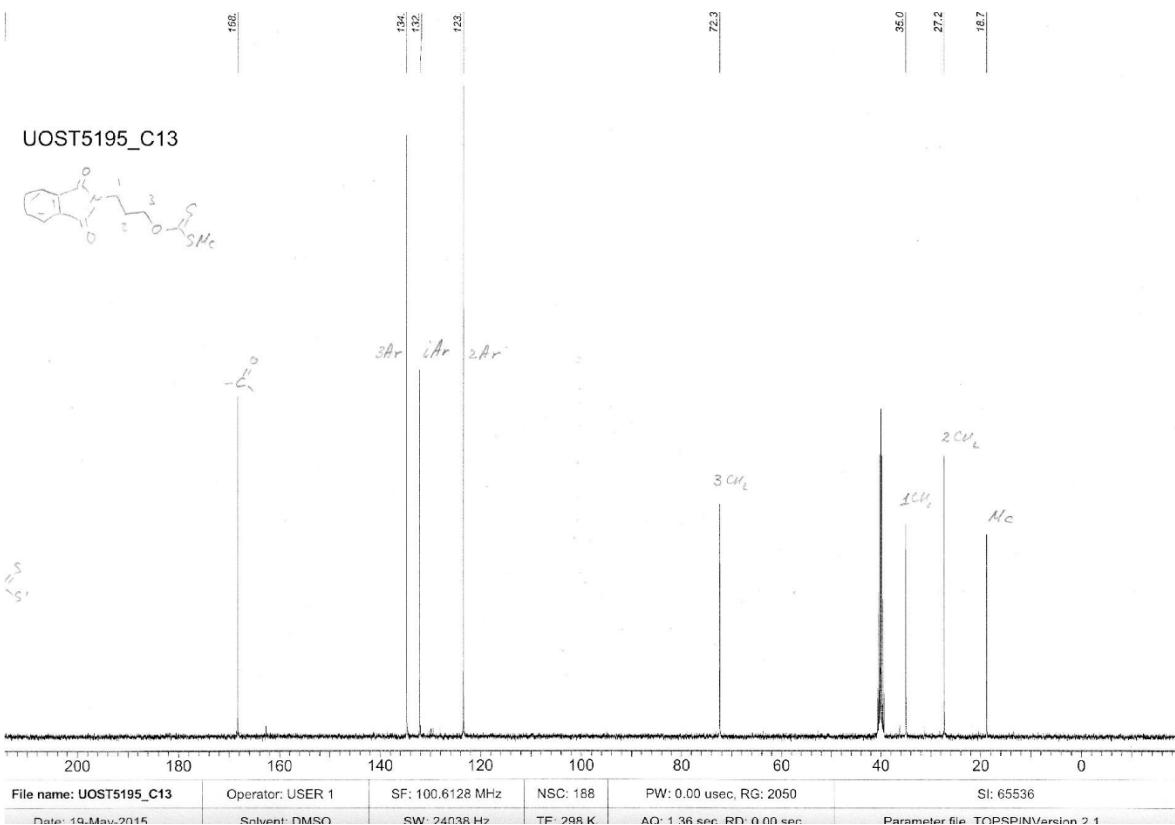
**Figure S7.** <sup>1</sup>H-NMR spectra of O-[2-(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)ethyl] S-methyldithiocarbonate **1d**.



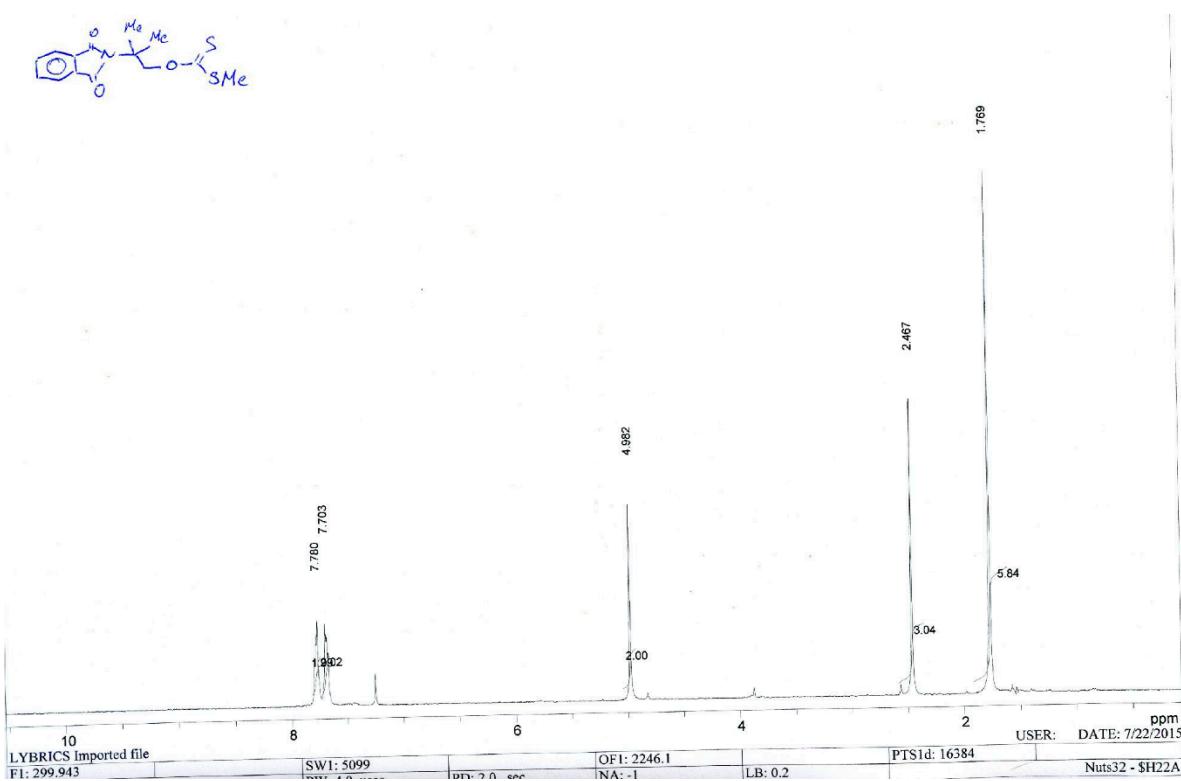
**Figure S8.** <sup>13</sup>C-NMR spectra of O-[2-(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)ethyl] S-methyldithiocarbonate **1d**.



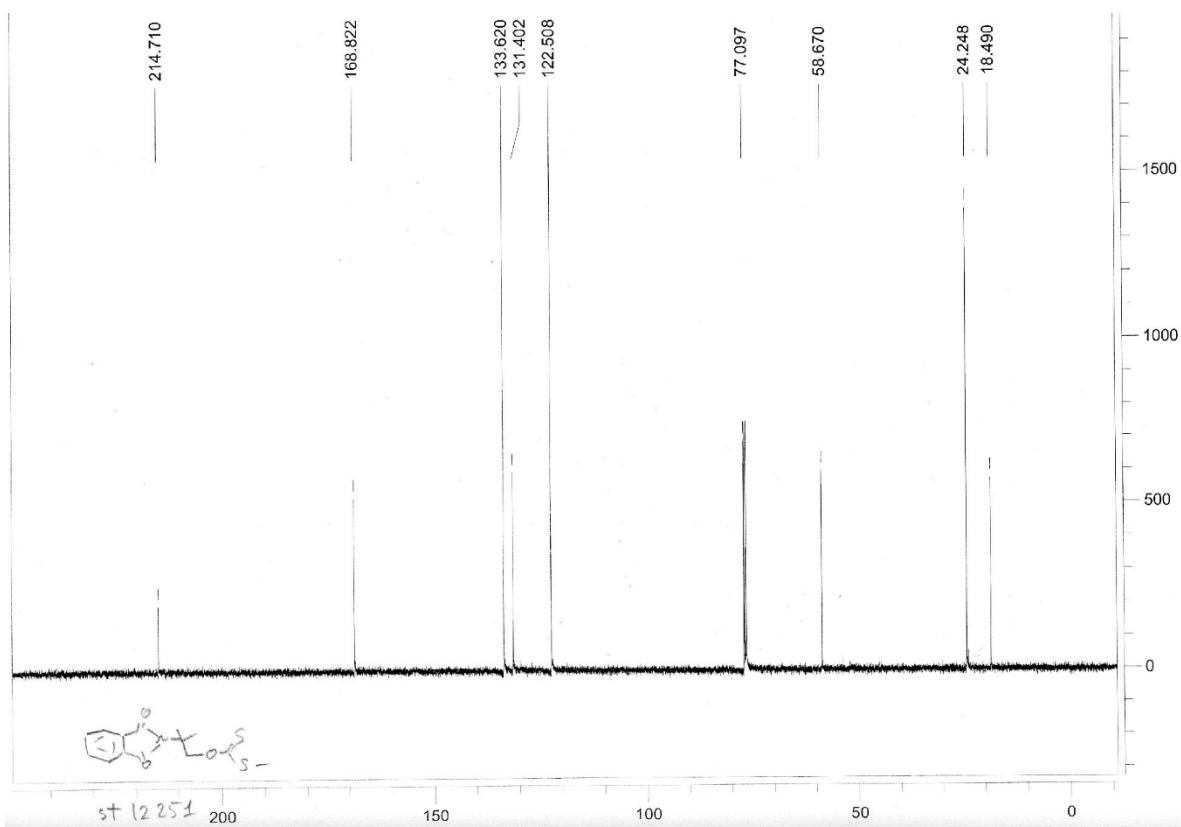
**Figure S9.** <sup>1</sup>H-NMR spectra of O-[3-(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)propyl] S-methyldithiocarbonate **1e**.



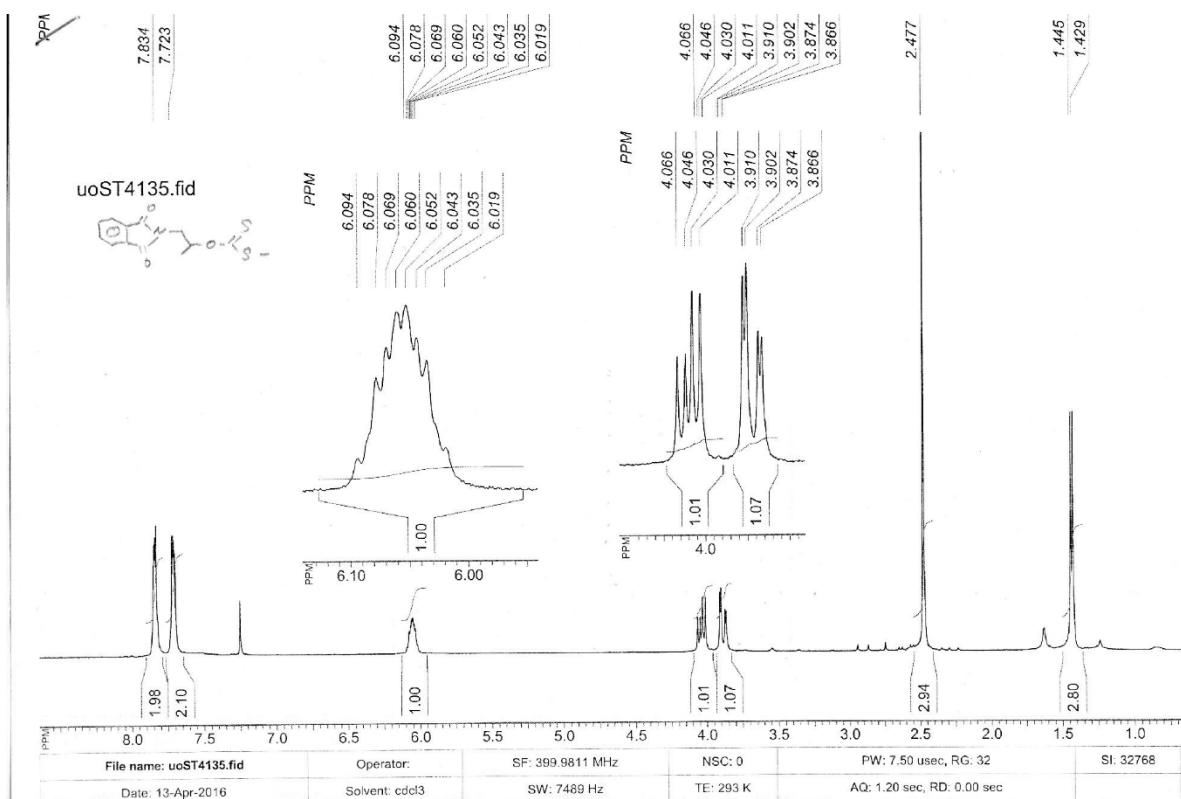
**Figure S10.** <sup>13</sup>C-NMR spectra of O-[3-(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)propyl] S-methyldithiocarbonate **1e**.



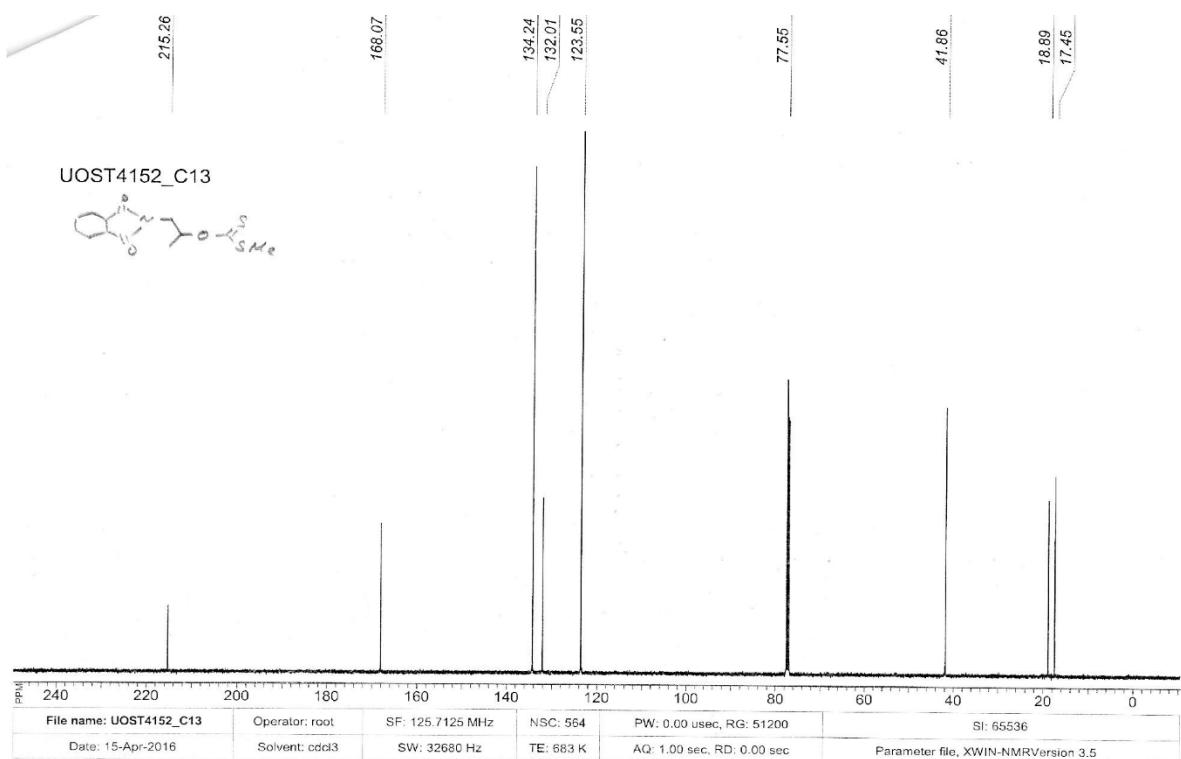
**Figure S11.**  $^1\text{H}$ -NMR spectra of O-[2-(1,3-dioxo-1,3-dihydro-2H-isindol-2-yl)-2-methylpropyl] S-methyldithiocarbonate **1f**.



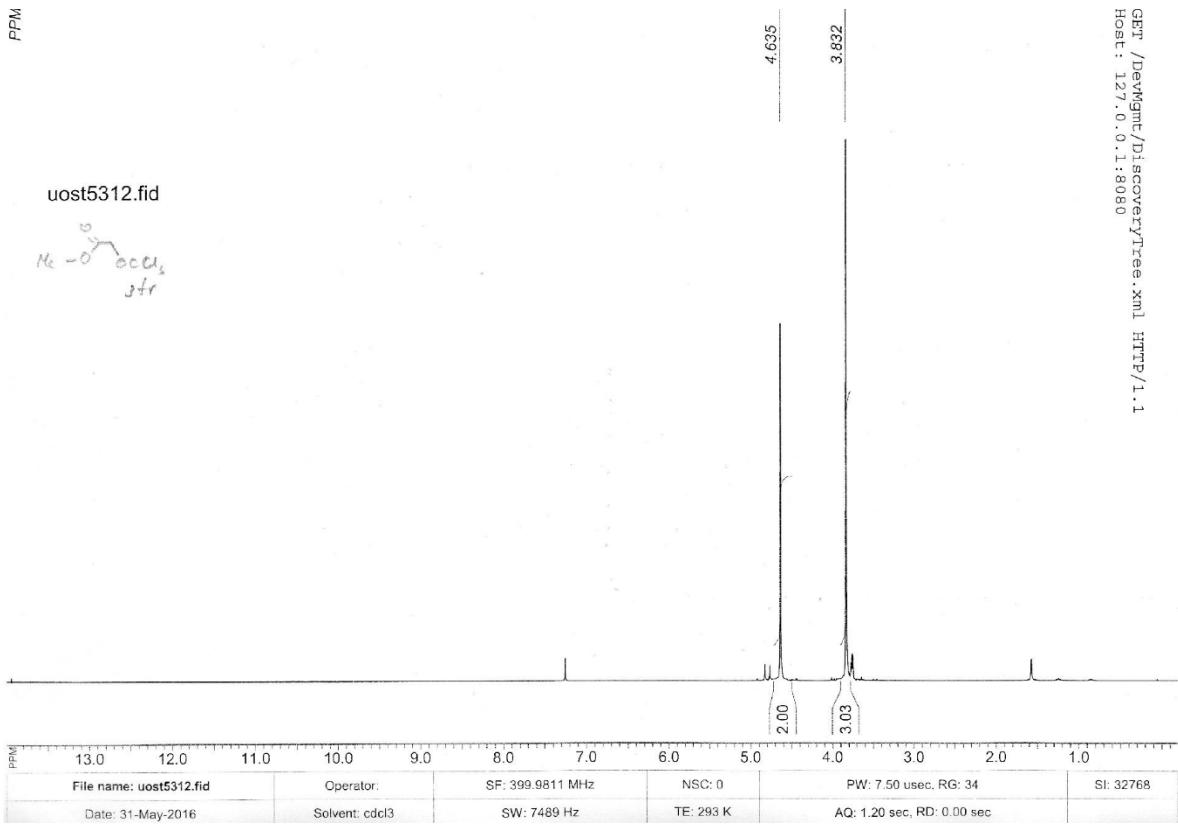
**Figure S12.**  $^{13}\text{C}$ -NMR spectra of O-[2-(1,3-dioxo-1,3-dihydro-2H-isindol-2-yl)-2-methylpropyl] S-methyldithiocarbonate **1f**.



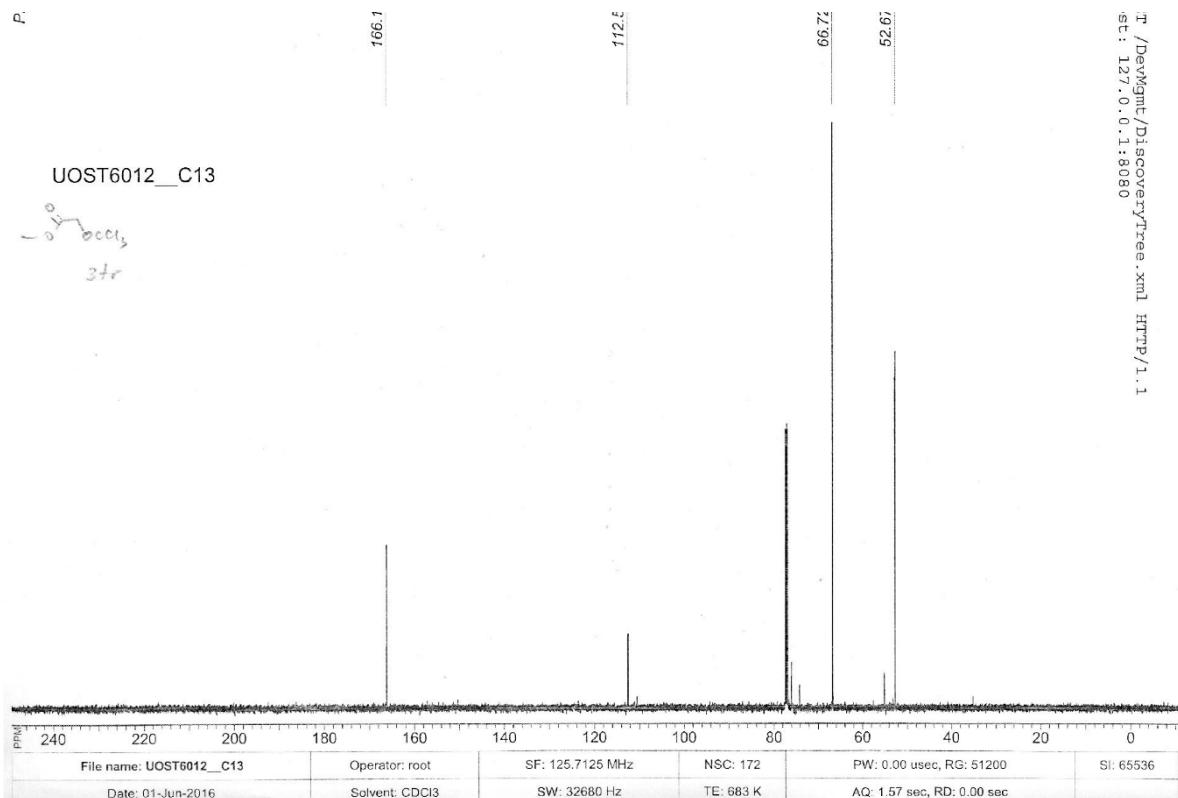
**Figure S13.**  $^1\text{H}$ -NMR spectra of O-[2-(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)-1-methylethyl] S-methyldithiocarbonate **1g**.



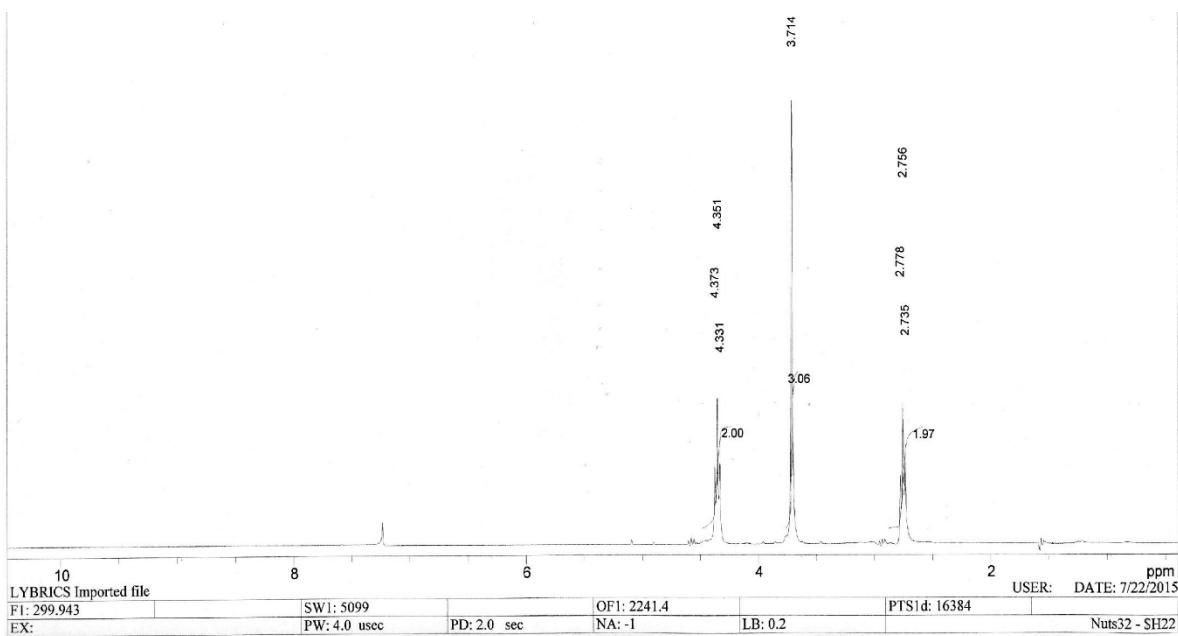
**Figure S14.**  $^{13}\text{C}$ -NMR spectra of O-[2-(1,3-dioxo-1,3-dihydro-2H-isoindol-2-yl)-1-methylethyl] S-methyldithiocarbonate **1g**.



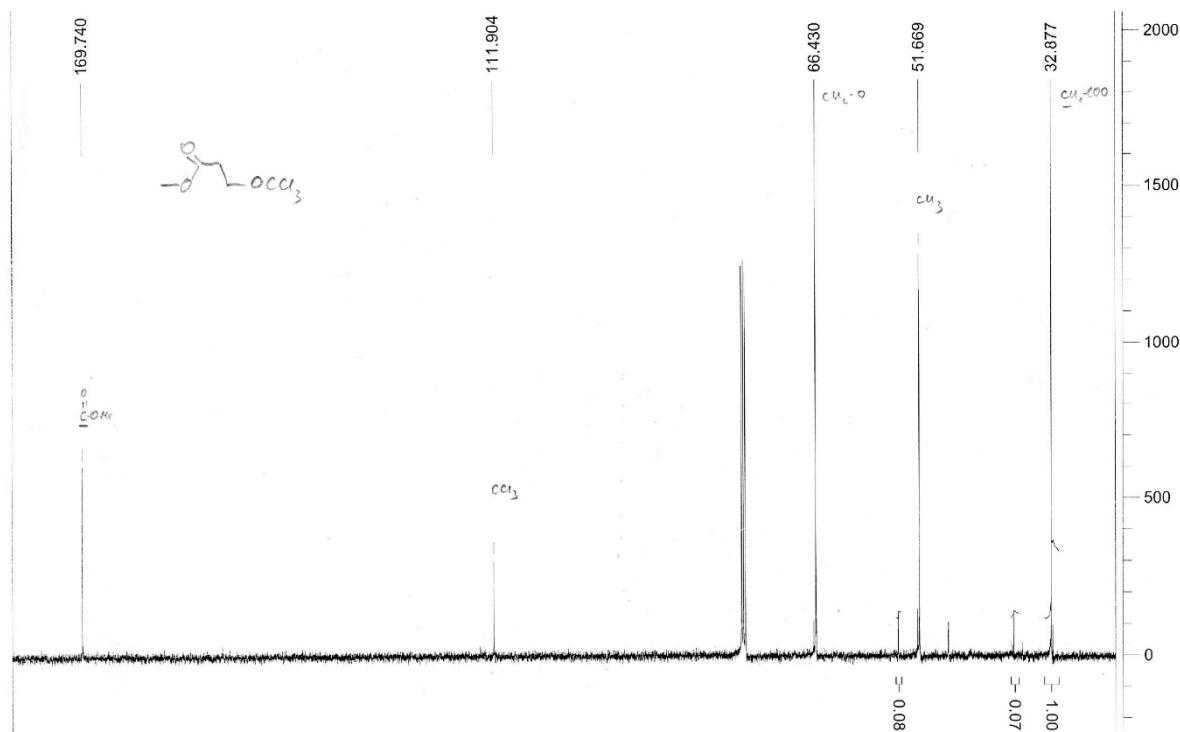
**Figure S15.**  $^1\text{H}$ -NMR spectra of methyl (trichloromethoxy)acetate **2a**.



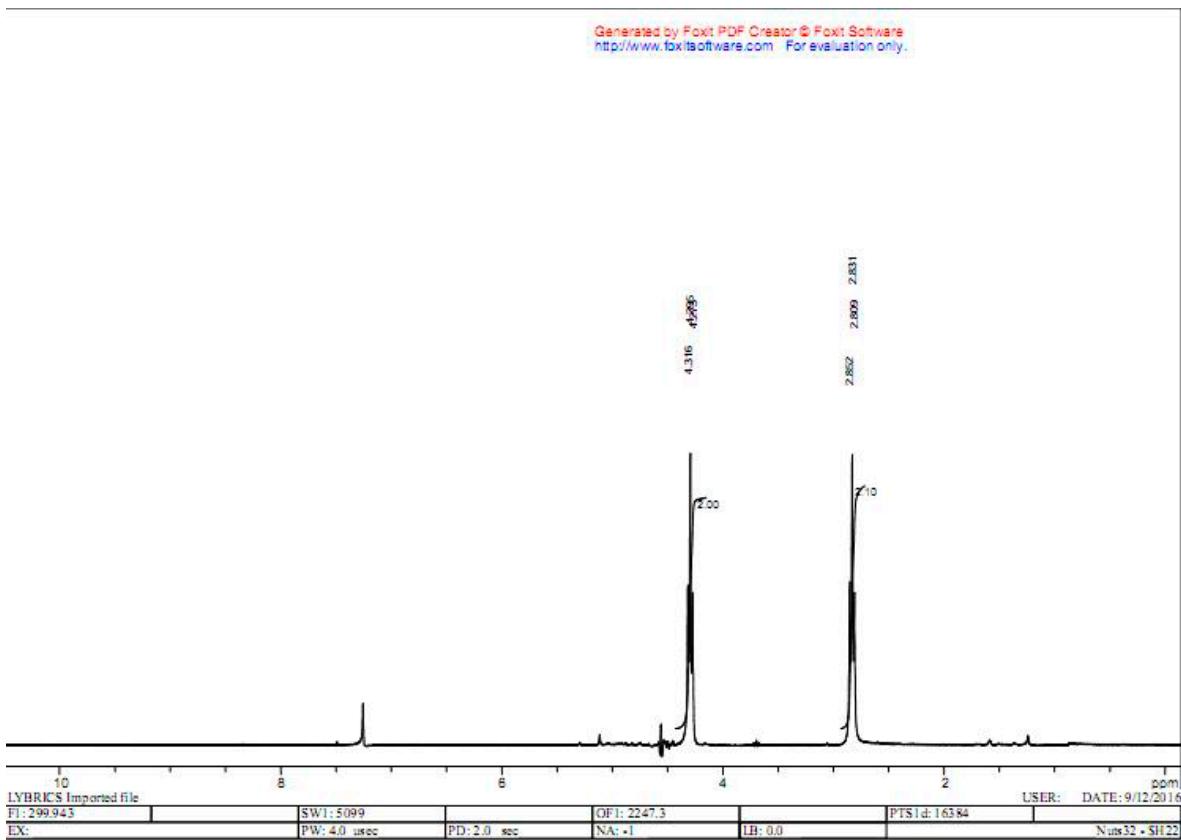
**Figure S16.**  $^{13}\text{C}$ -NMR spectra of methyl (trichloromethoxy)acetate **2a**.



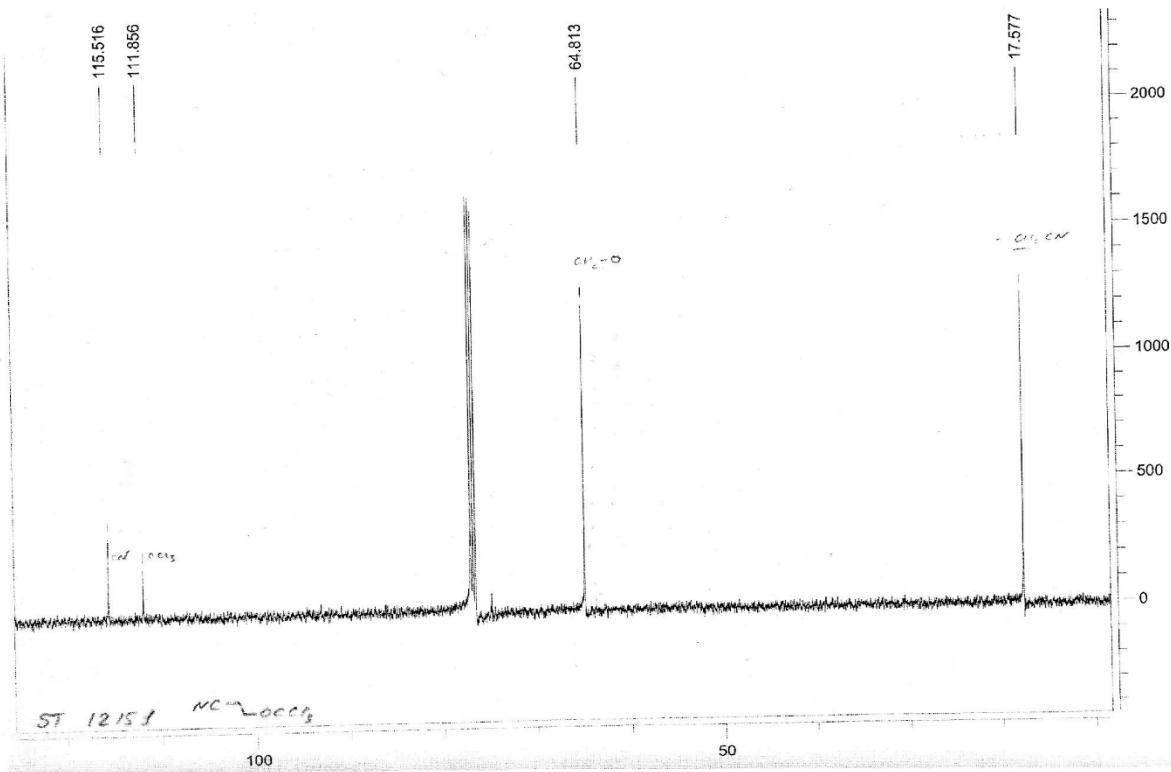
**Figure S17.**  $^1\text{H}$ -NMR spectra of methyl 3-(trichloromethoxy)propanoate **2b**.



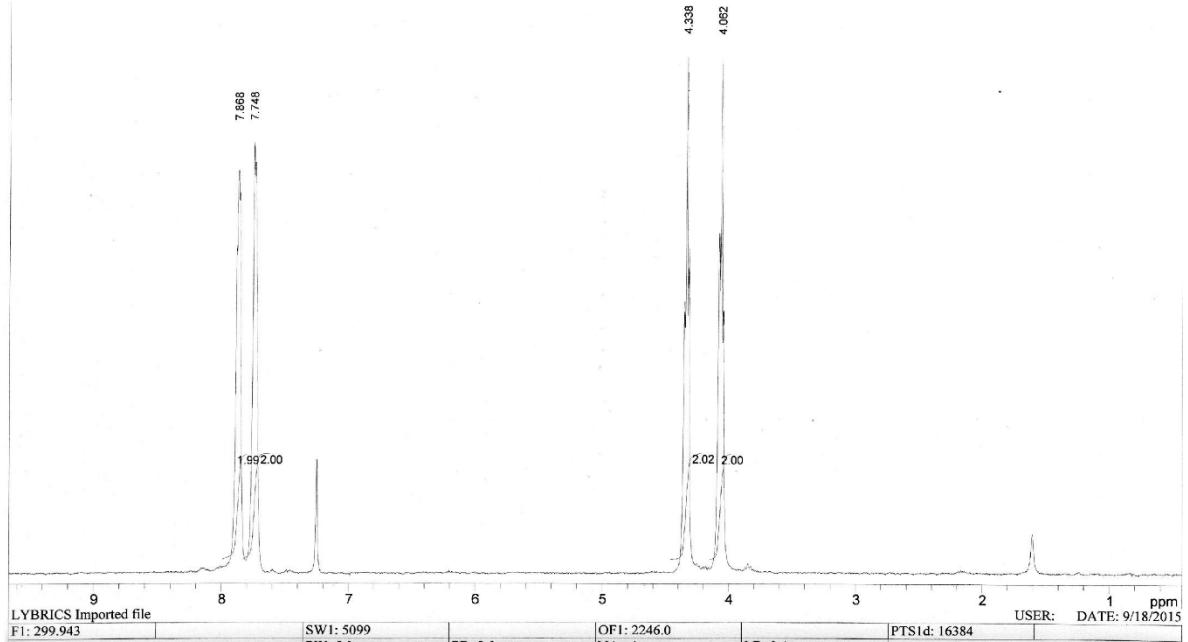
**Figure S18.**  $^{13}\text{C}$ -NMR spectra of methyl 3-(trichloromethoxy)propanoate **2b**.



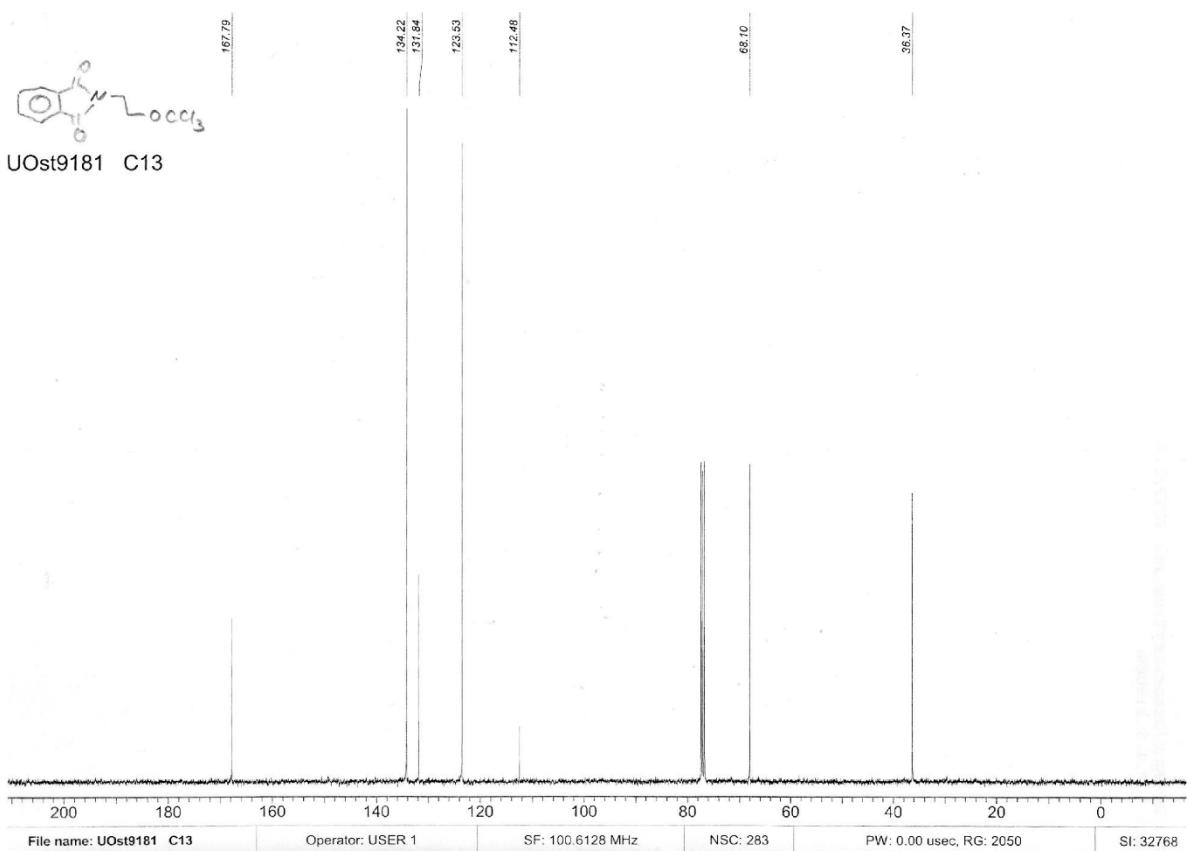
**Figure S19.**  $^1\text{H}$ -NMR spectra of 3-(trichloromethoxy)propanenitrile **2c**.



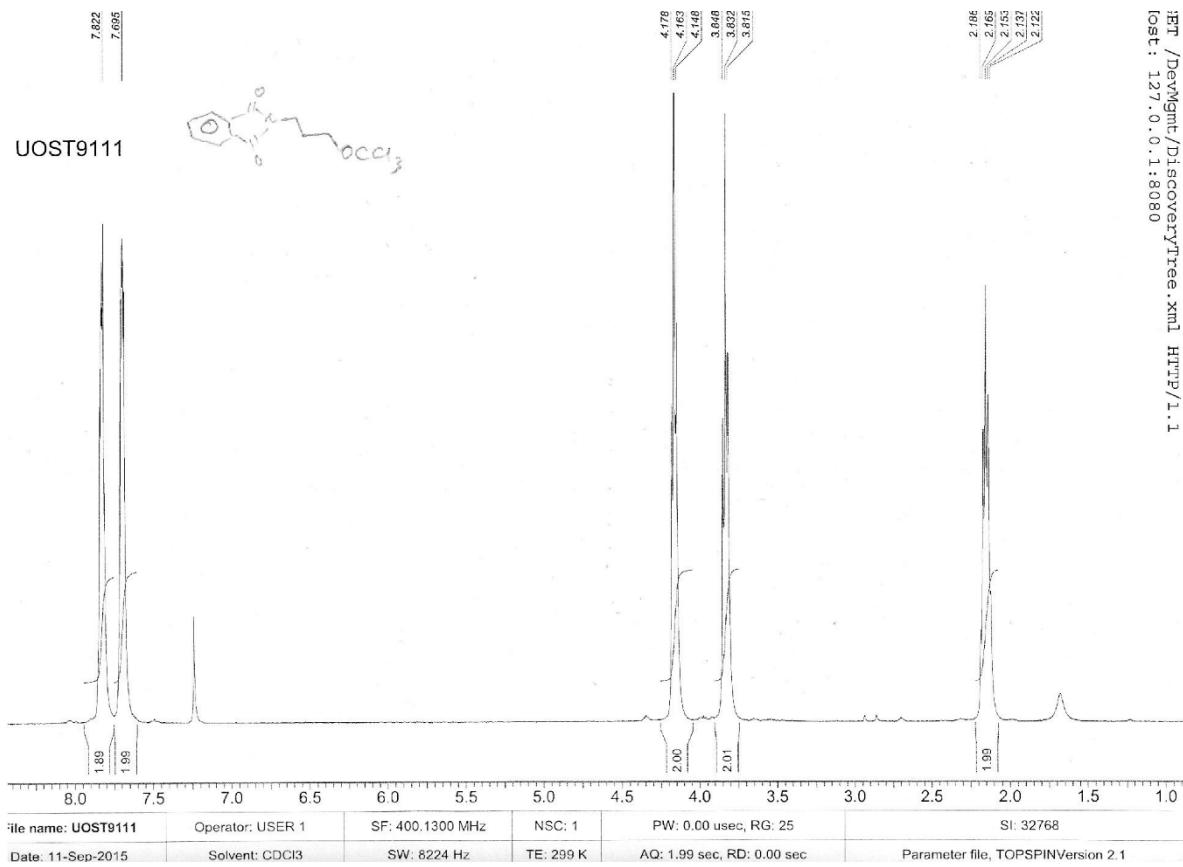
**Figure S20.**  $^{13}\text{C}$ -NMR spectra of 3-(trichloromethoxy)propanenitrile **2c**.



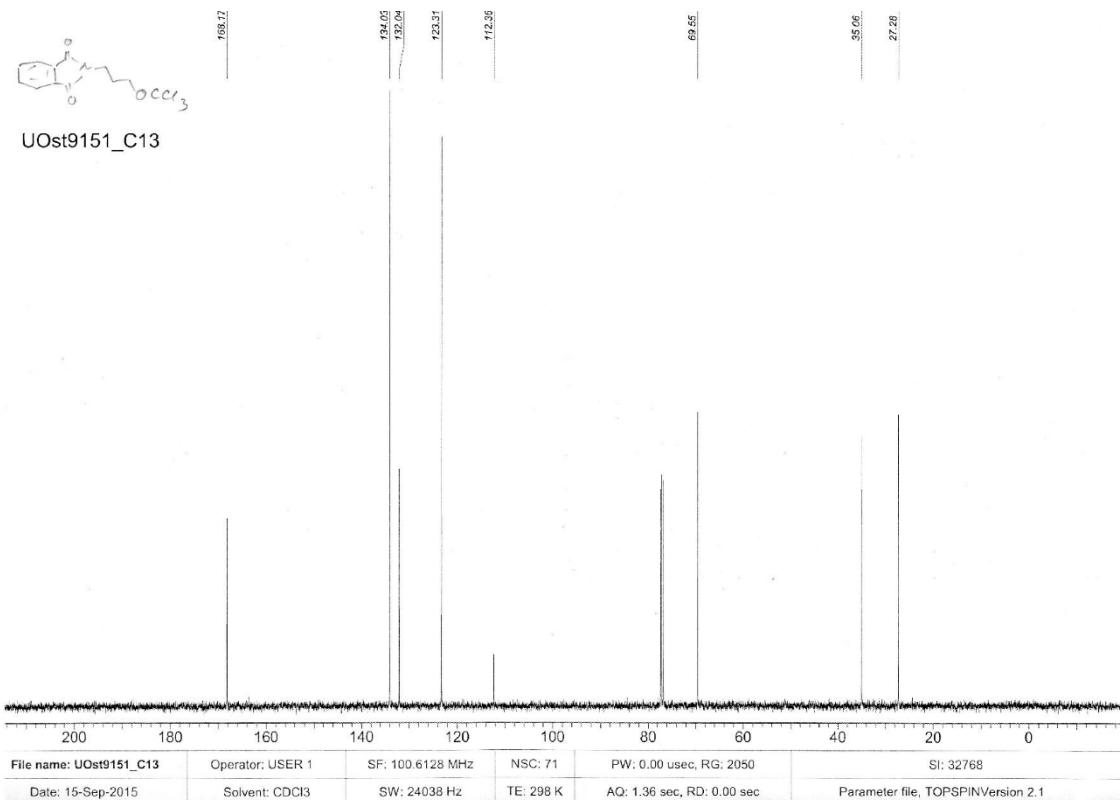
**Figure S21.**  $^1\text{H}$ -NMR spectra of 2-[2-(trichloromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **2d**.



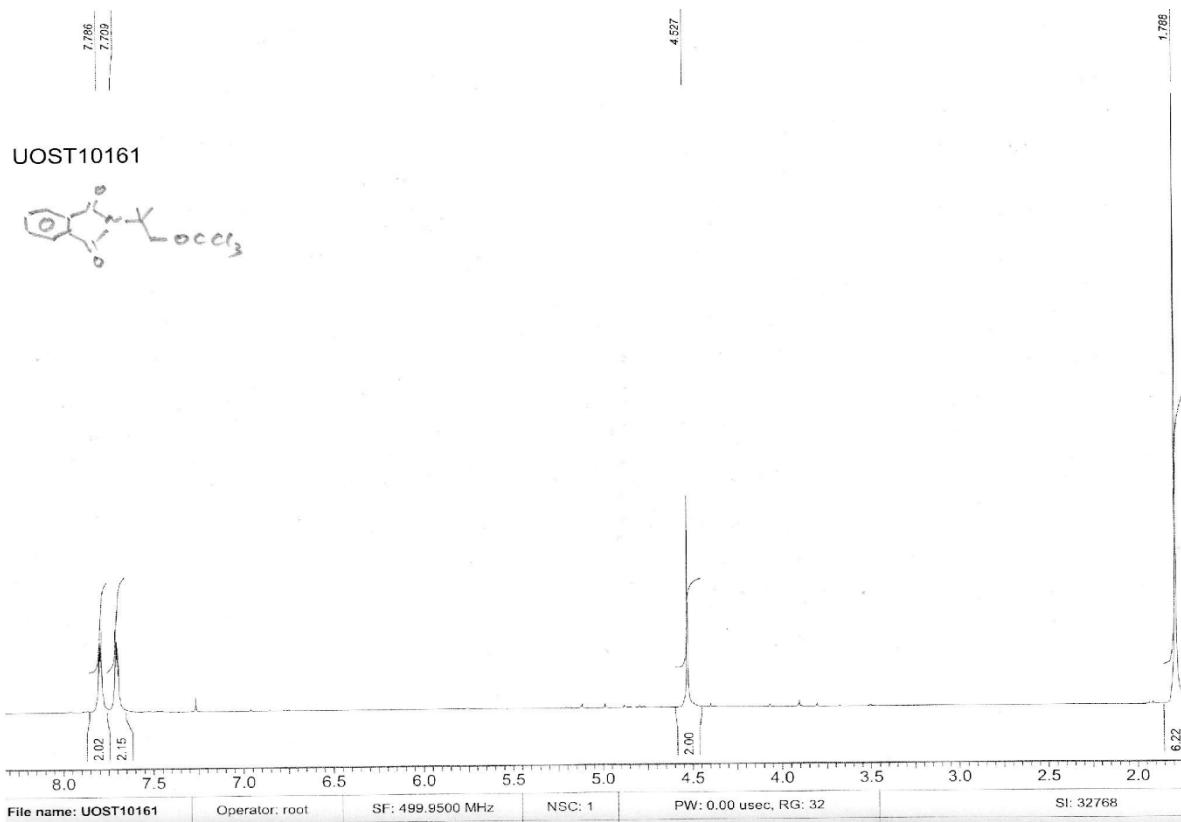
**Figure S22.**  $^{13}\text{C}$ -NMR spectra of 2-[2-(trichloromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **2d**.



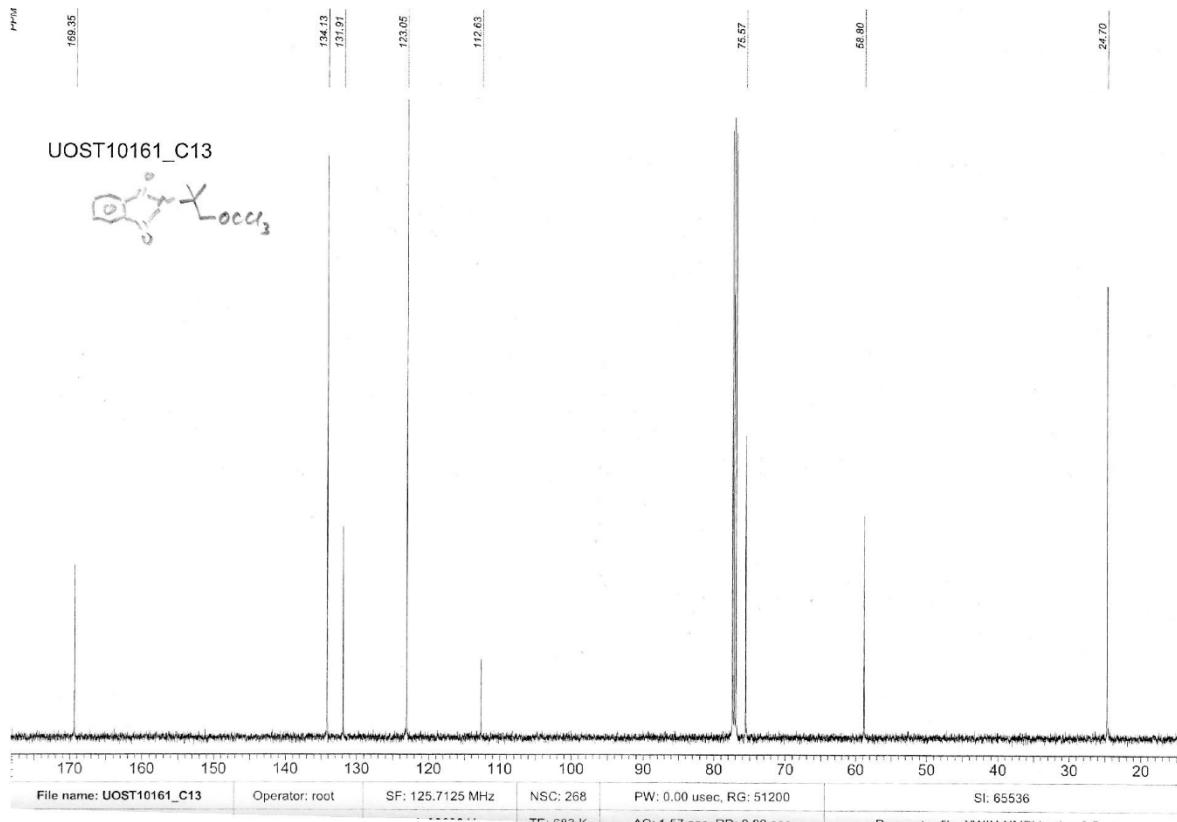
**Figure S23.** <sup>1</sup>H-NMR spectra of 2-[3-(trichloromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **2e**.



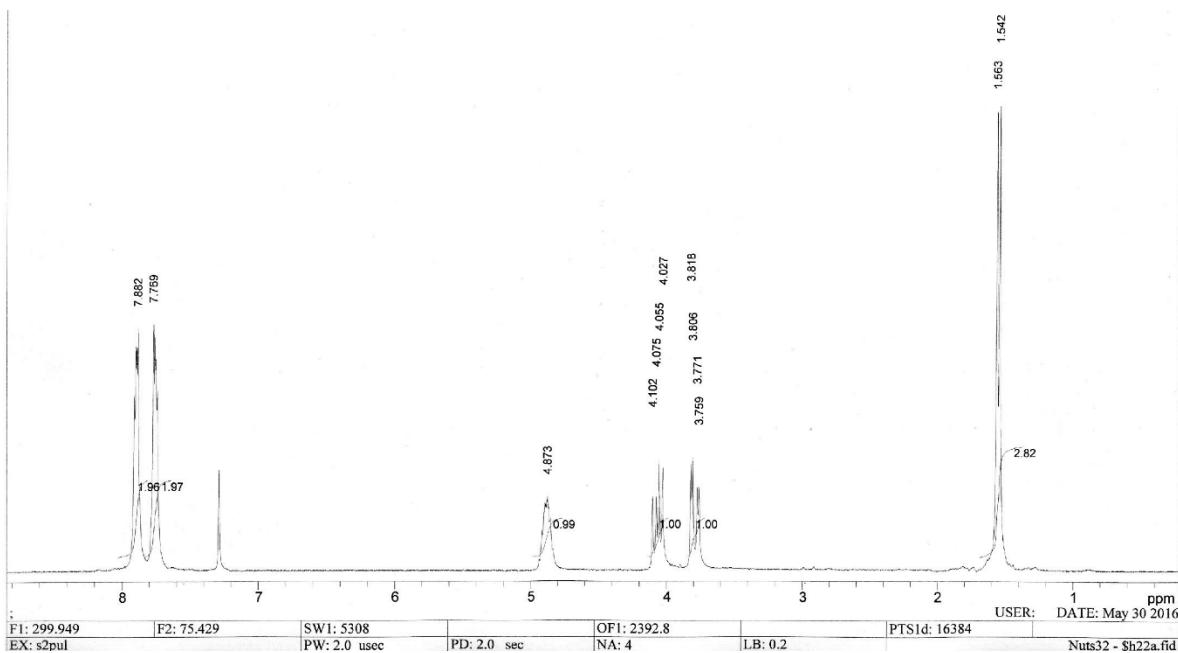
**Figure S24.** <sup>13</sup>C-NMR spectra of 2-[3-(trichloromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **2e**.



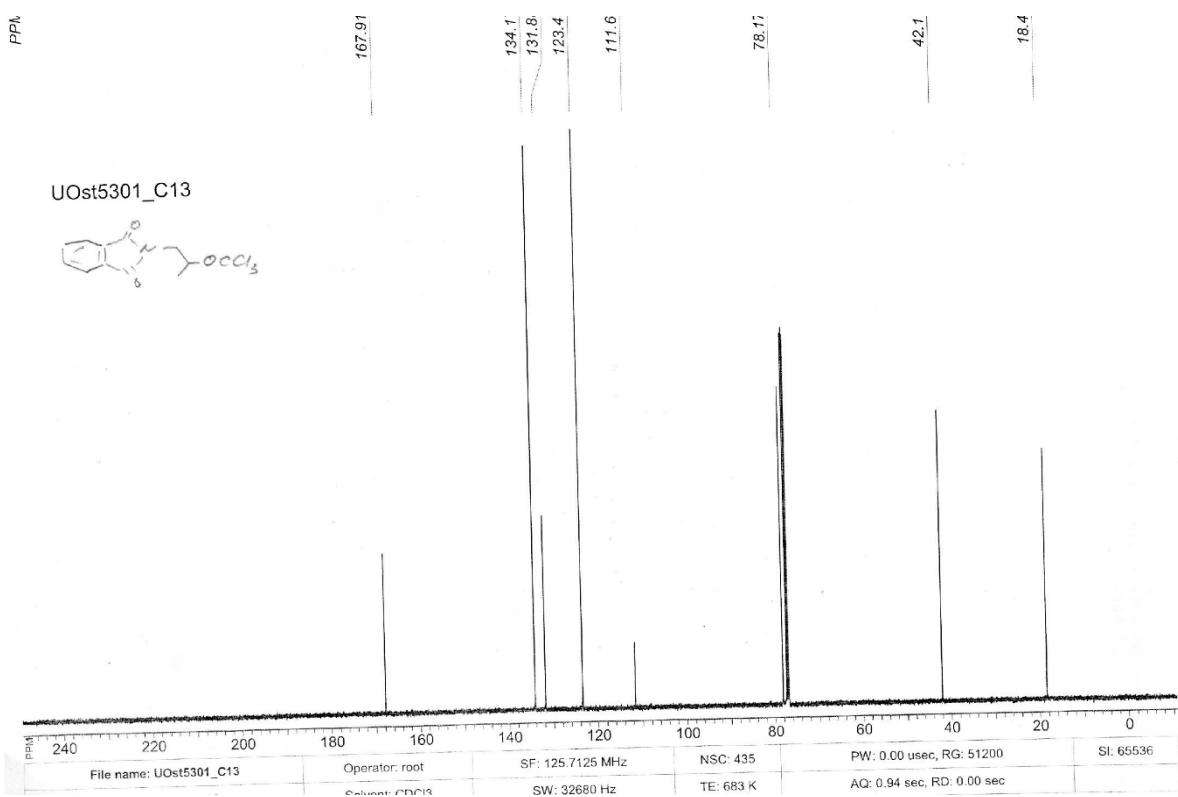
**Figure S25.**  $^1\text{H}$ -NMR spectra of 2-[1,1-Dimethyl-2-(trichloromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **2f**.



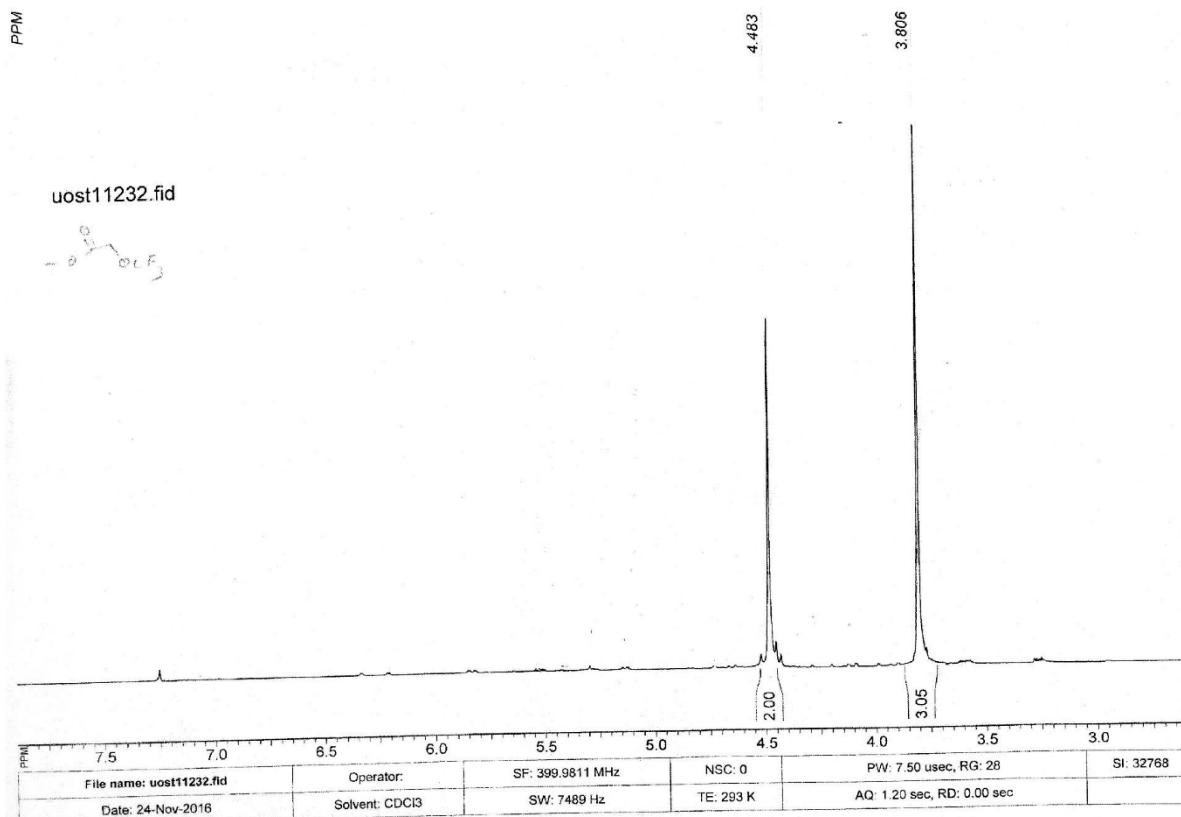
**Figure S26.**  $^{13}\text{C}$ -NMR spectra of 2-[1,1-Dimethyl-2-(trichloromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **2f**.



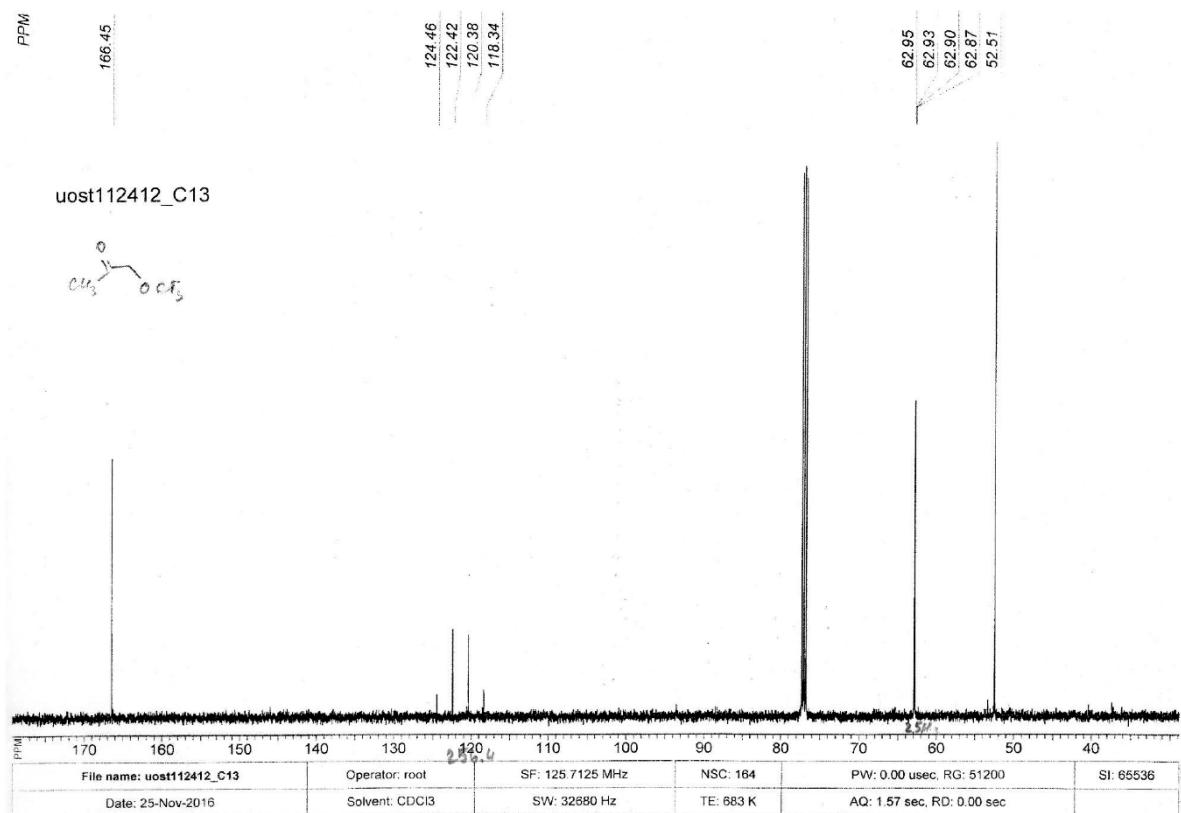
**Figure S27.**  $^1\text{H}$ -NMR spectra of 2-[2-(Trichloromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **2g**.



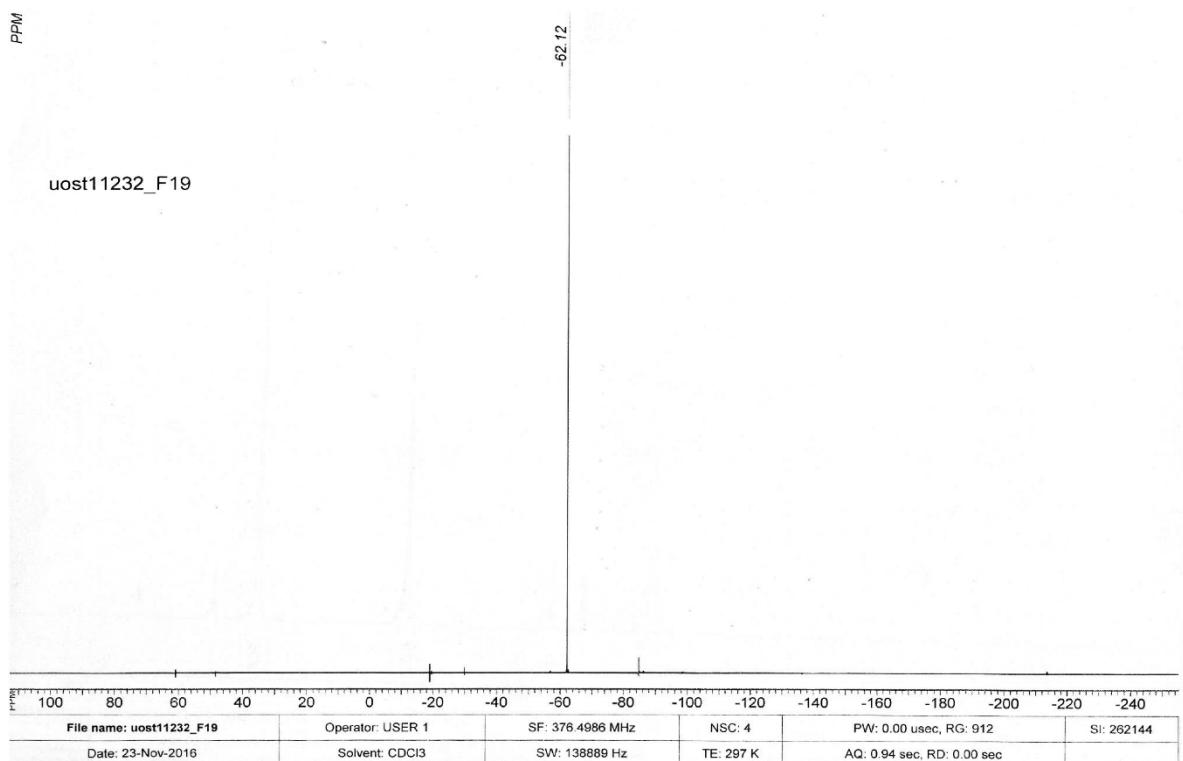
**Figure S28.**  $^{13}\text{C}$ -NMR spectra of 2-[2-(Trichloromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **2g**.



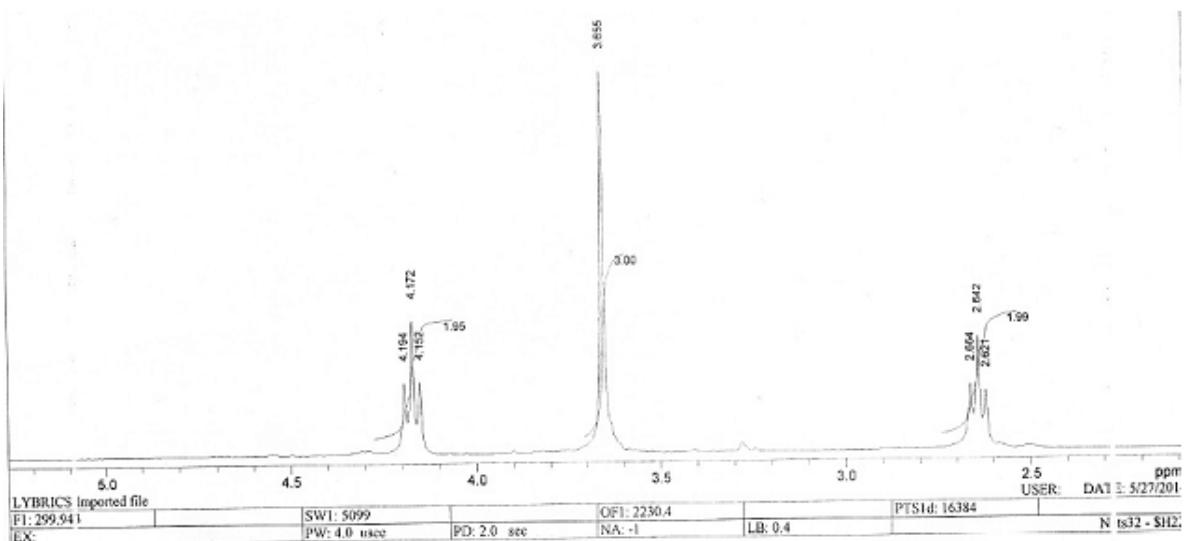
**Figure S29.** <sup>1</sup>H-NMR spectra of methyl (trifluoromethoxy)acetate **3a**.



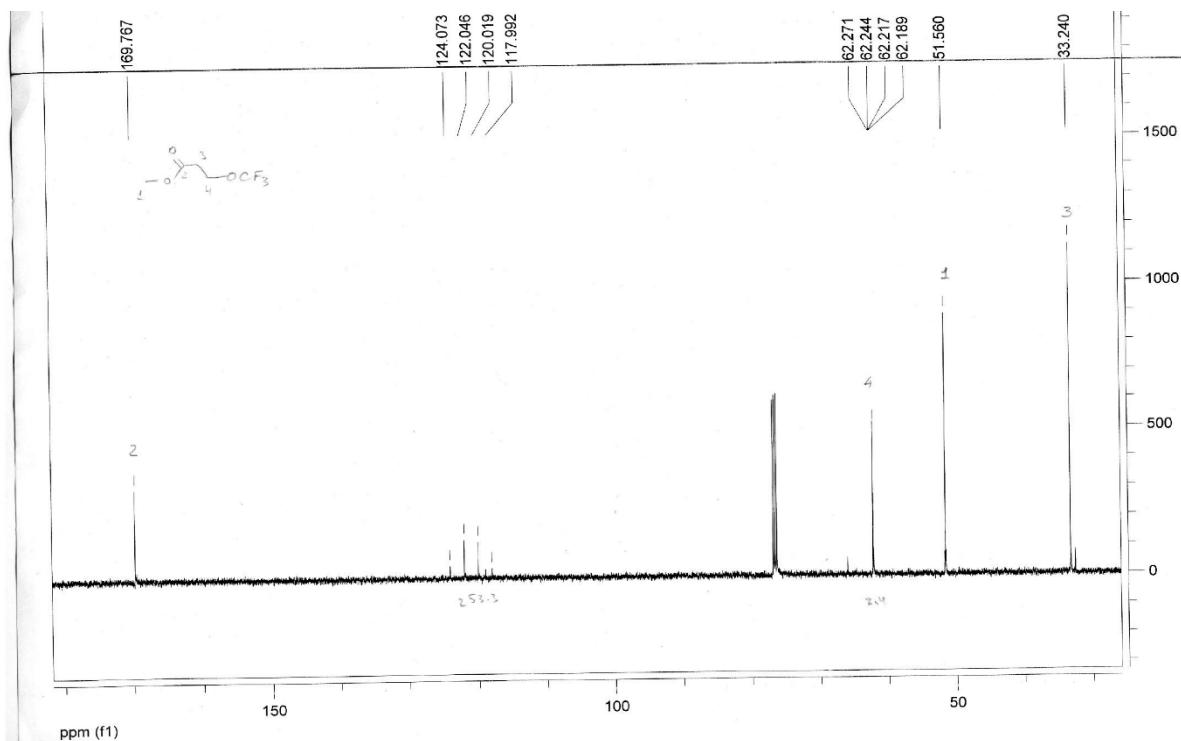
**Figure S30.** <sup>13</sup>C-NMR spectra of methyl (trifluoromethoxy)acetate **3a**.



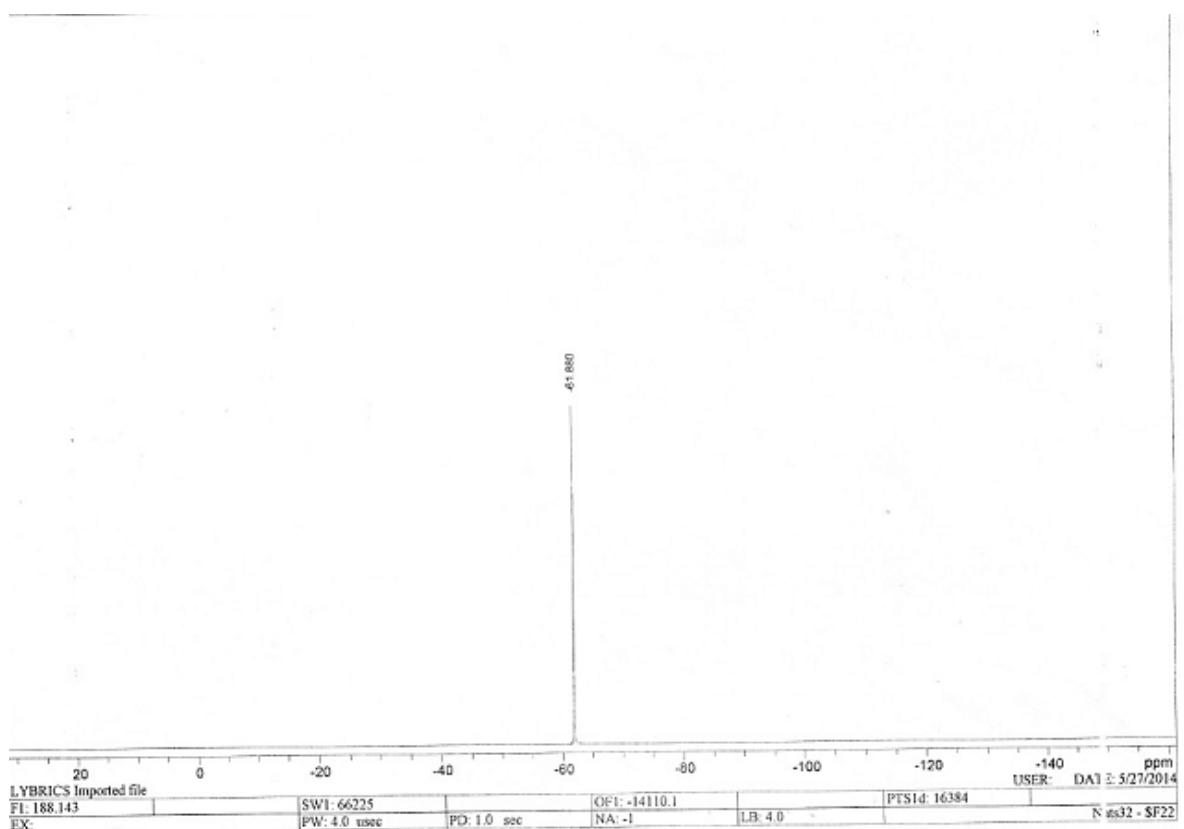
**Figure S31.** <sup>19</sup>F-NMR spectra of methyl (trifluoromethoxy)acetate **3a**.



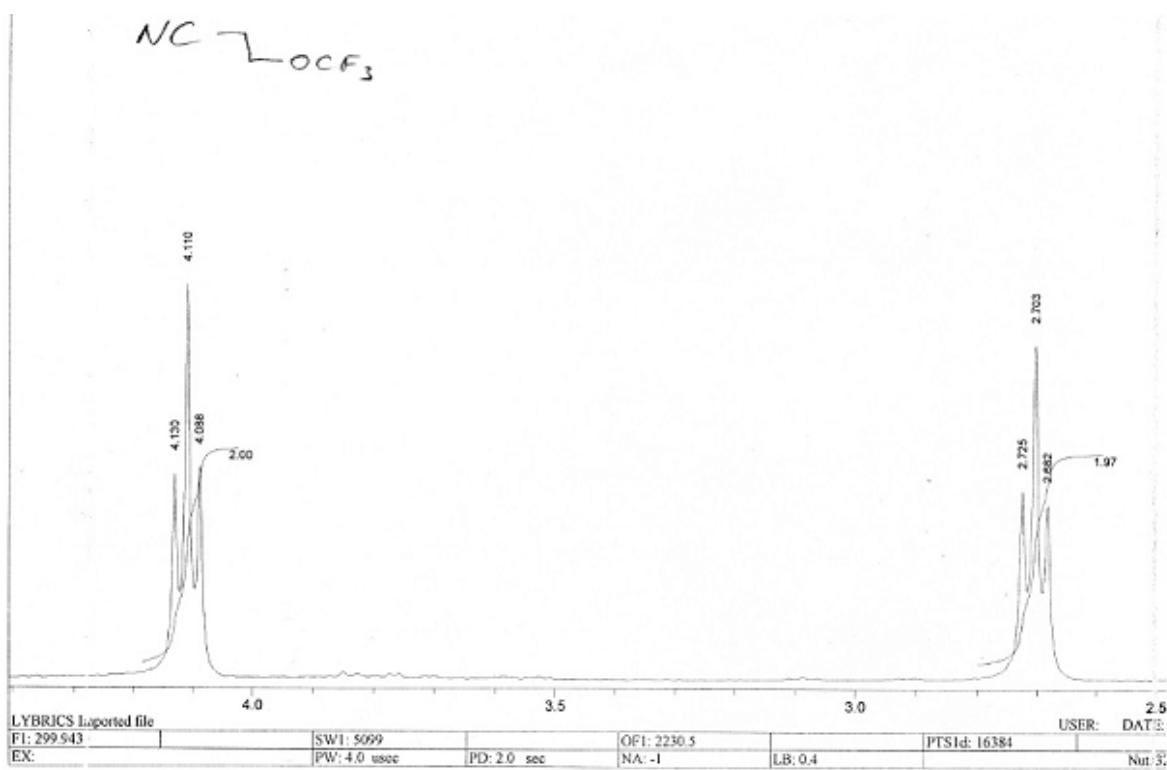
**Figure S32.** <sup>1</sup>H-NMR spectra of methyl 3-(trifluoromethoxy)propanoate **3b**.



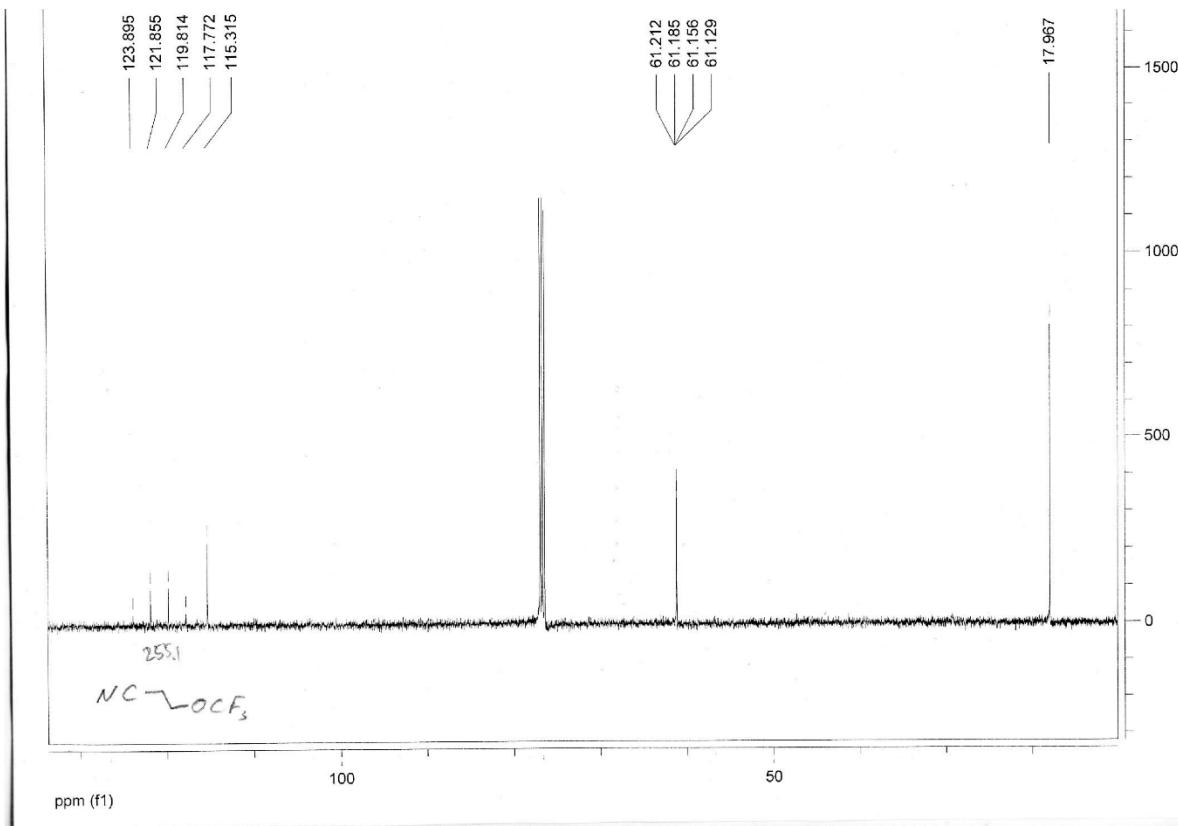
**Figure S33.**  $^{13}\text{C}$ -NMR spectra of methyl 3-(trifluoromethoxy)propanoate **3b**.



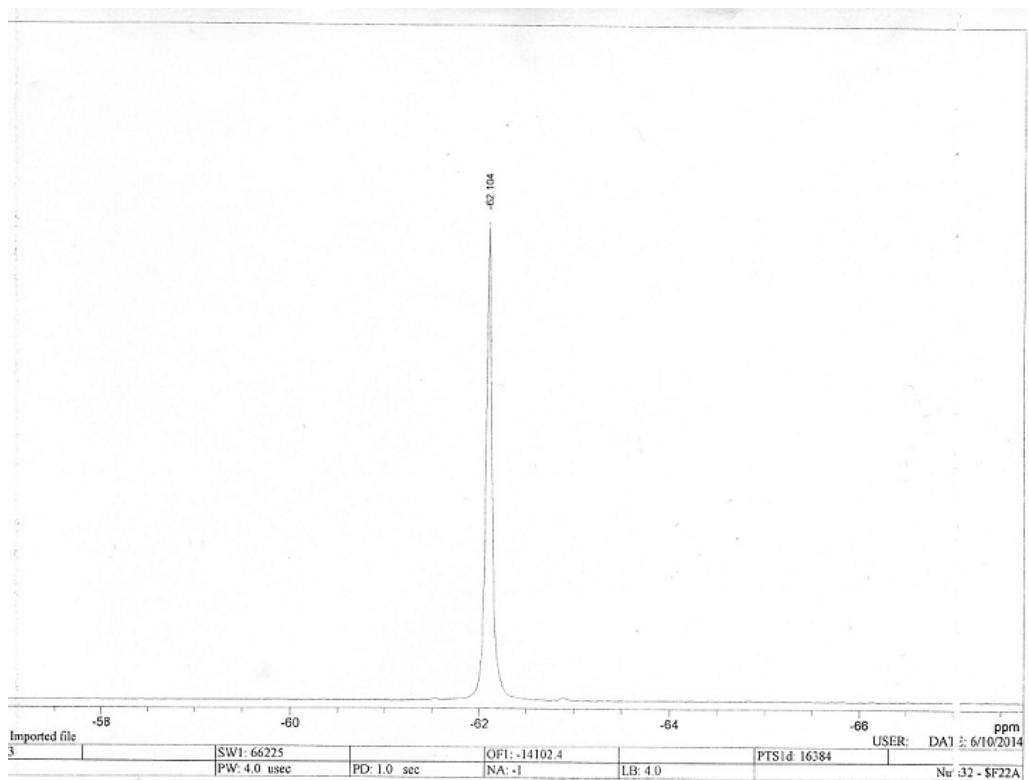
**Figure S34.**  $^{19}\text{F}$ -NMR spectra of methyl 3-(trifluoromethoxy)propanoate **3b**.



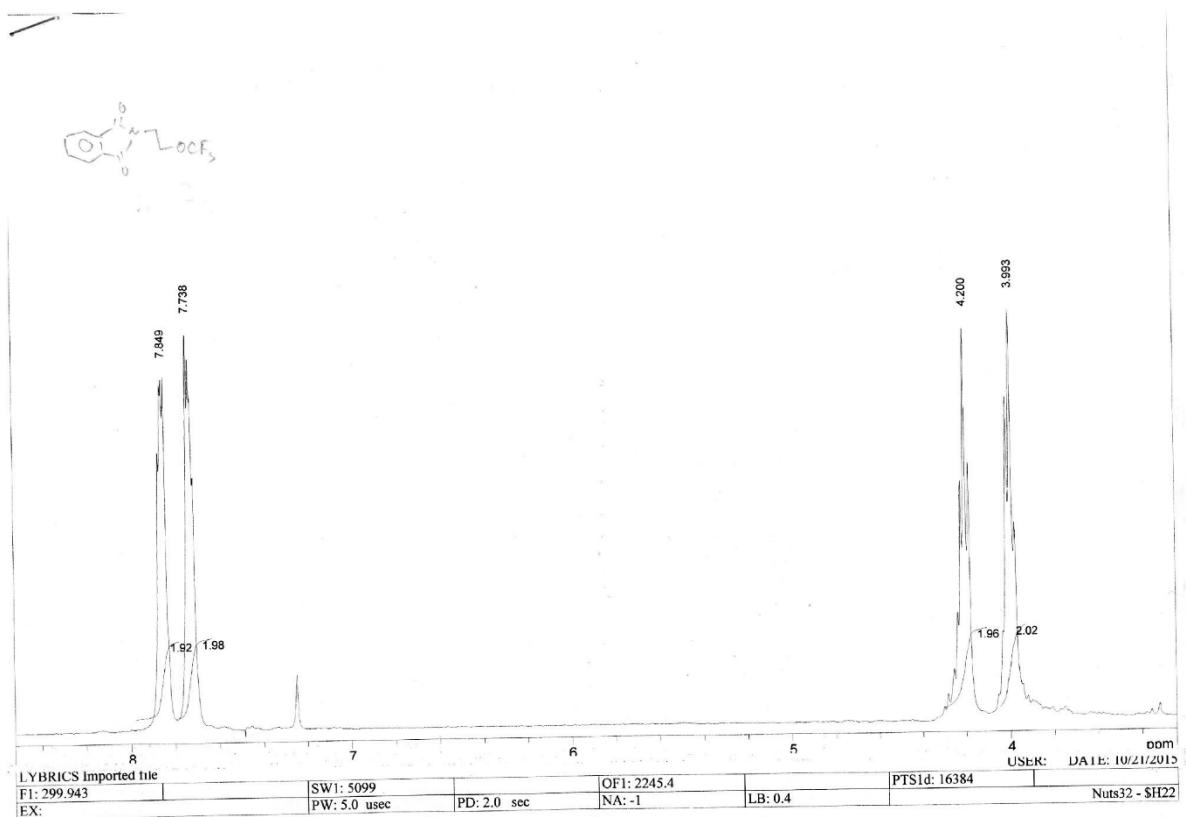
**Figure S35.**  $^1\text{H}$ -NMR spectra of 3-(trifluoromethoxy)propanenitrile **3c**.



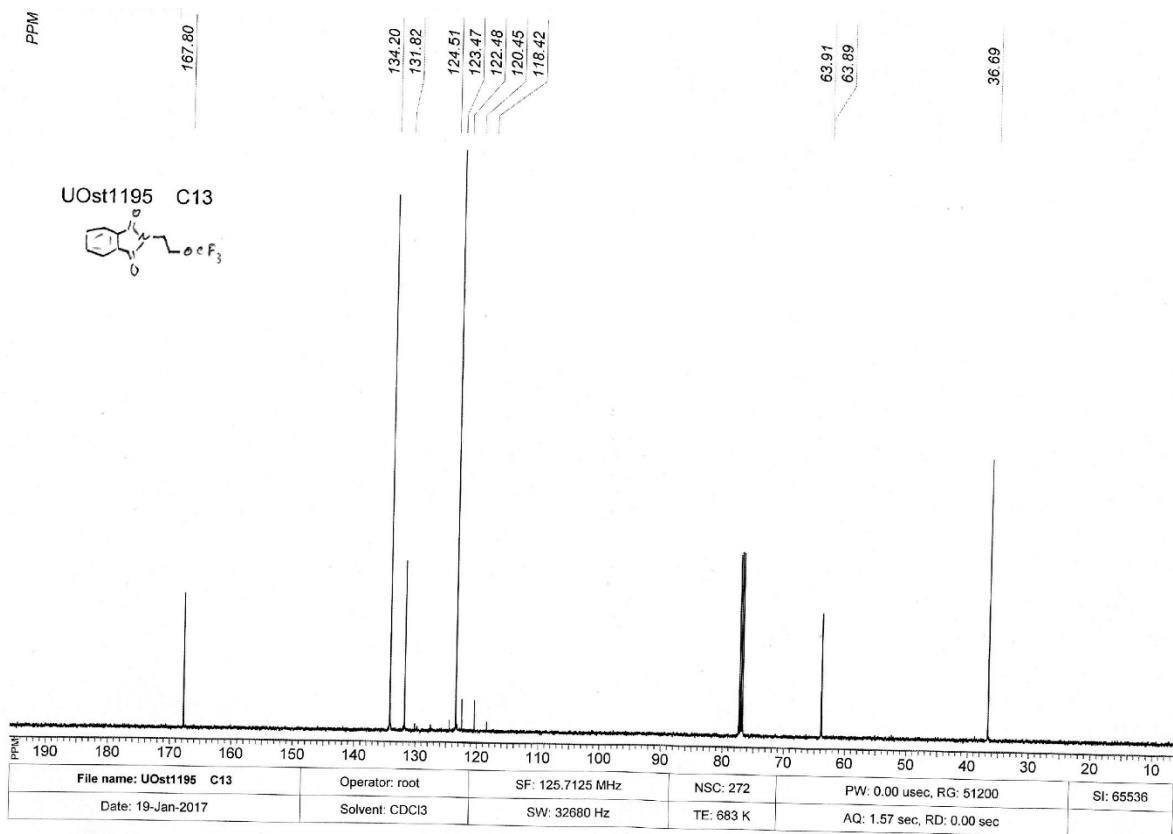
**Figure S36.**  $^{13}\text{C}$ -NMR spectra of 3-(trifluoromethoxy)propanenitrile **3c**.



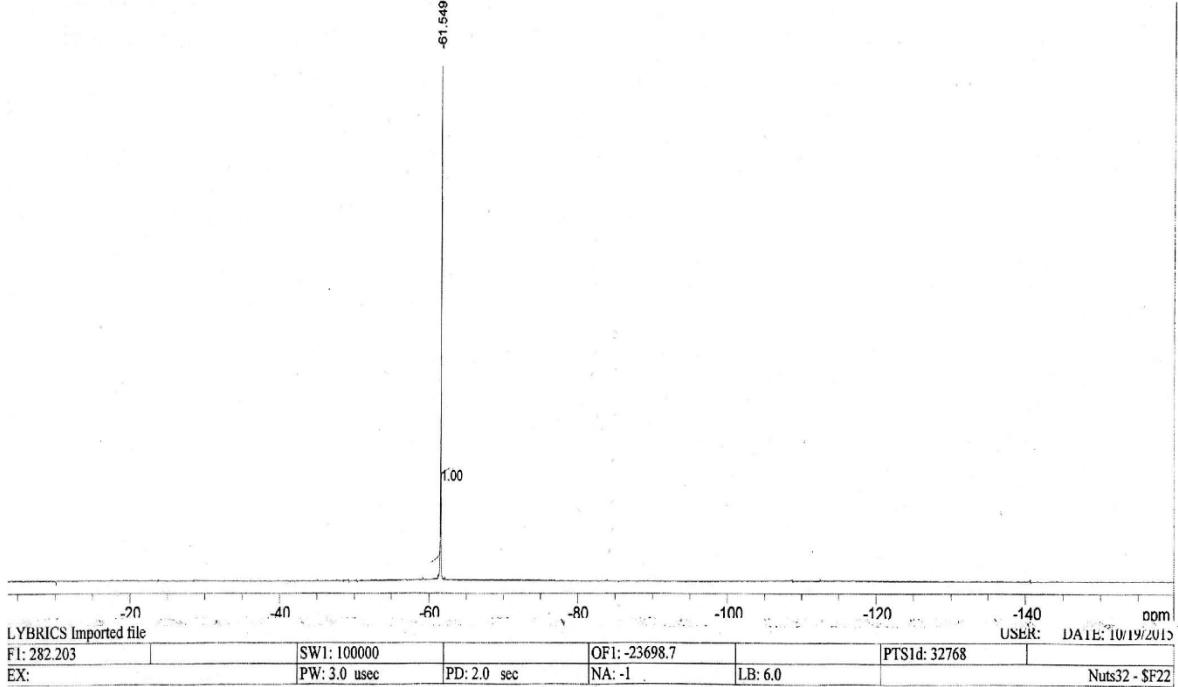
**Figure S37.**  $^{19}\text{F}$ -NMR spectra of 3-(trifluoromethoxy)propanenitrile **3c**.



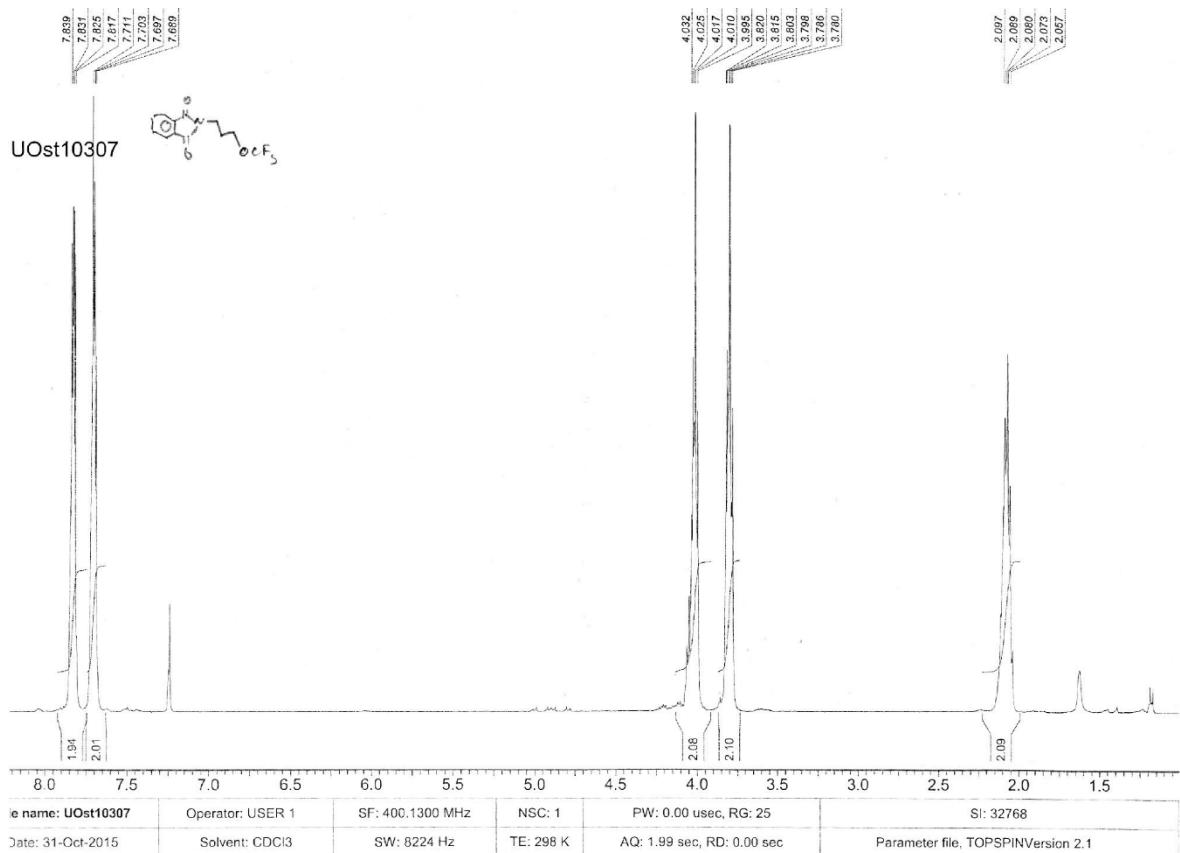
**Figure S38.**  $^1\text{H}$ -NMR spectra of 2-[2-(trifluoromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **3d**.



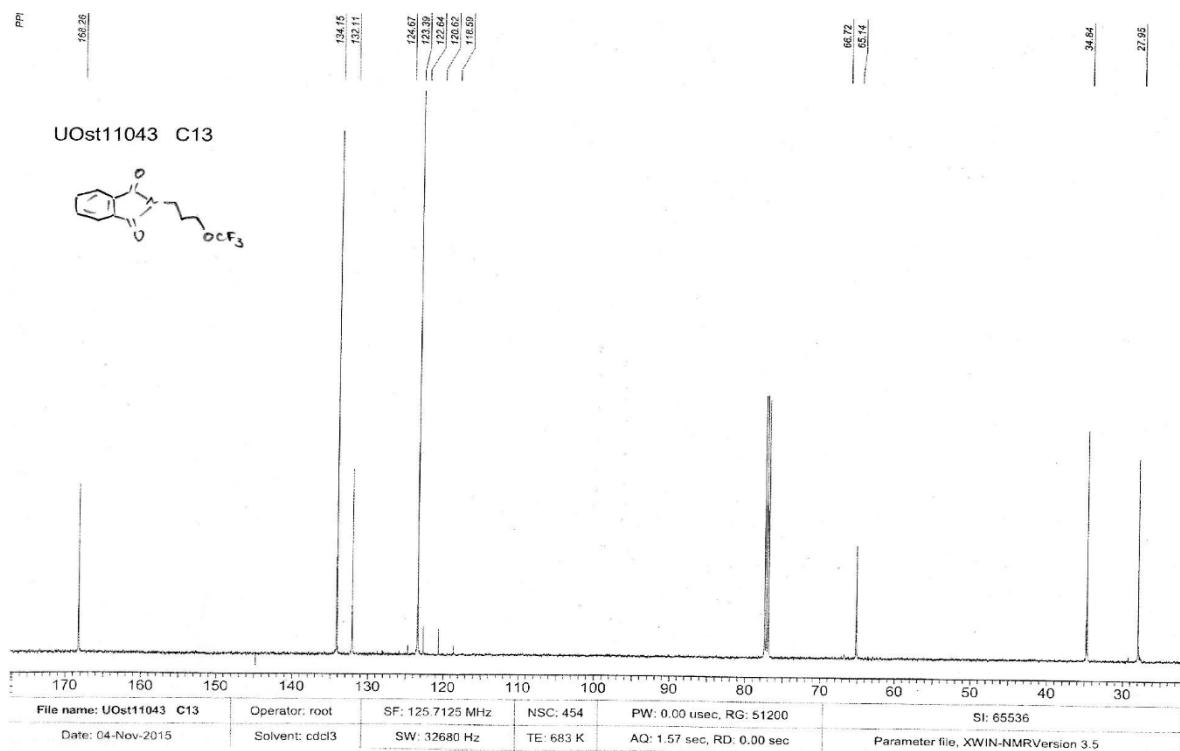
**Figure S39.** <sup>13</sup>C-NMR spectra of 2-[2-(trifluoromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **3d**.



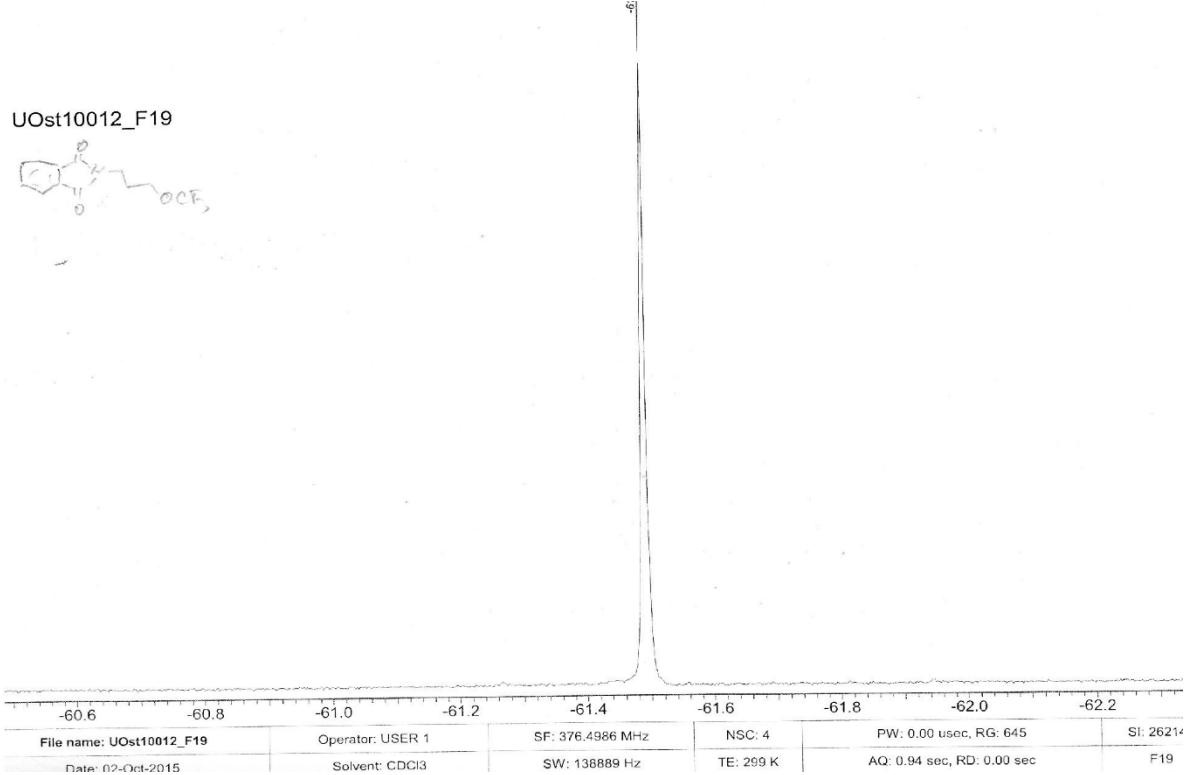
**Figure S40.** <sup>19</sup>F-NMR spectra of 2-[2-(trifluoromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **3d**.



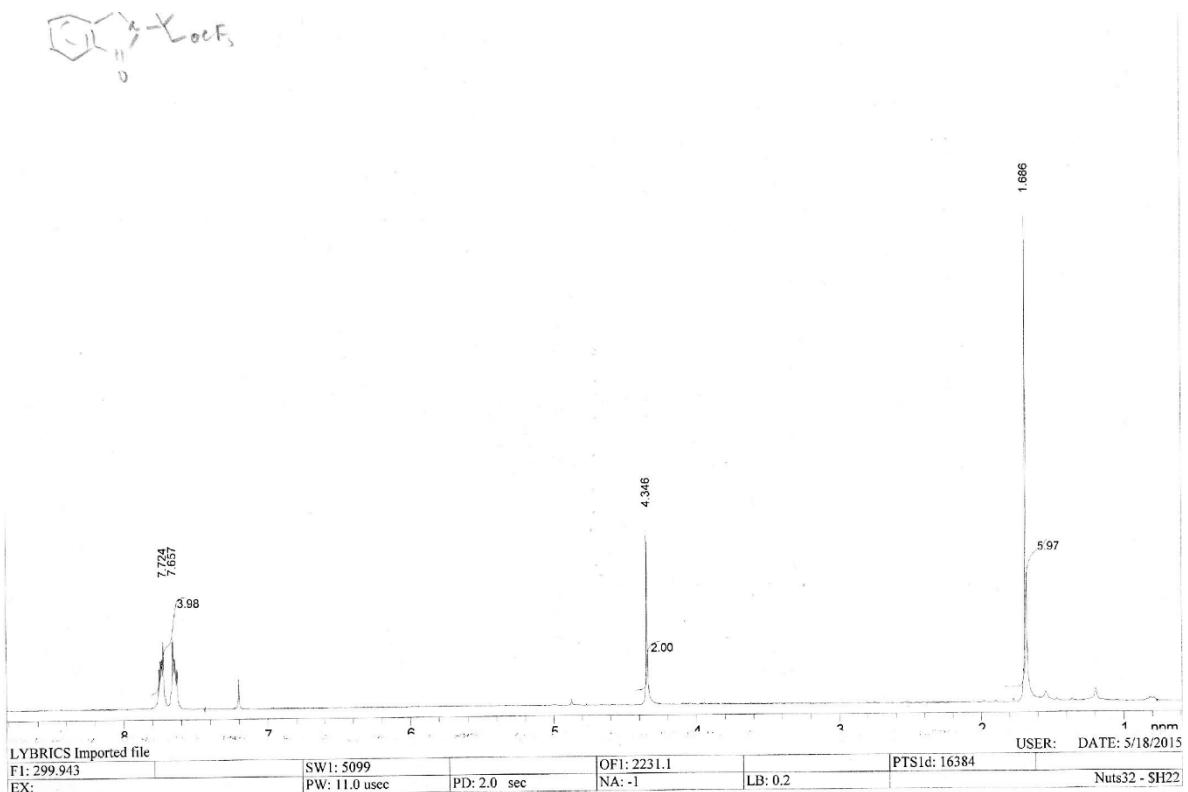
**Figure S41.** <sup>1</sup>H-NMR spectra of 2-[3-(trifluoromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **3e**.



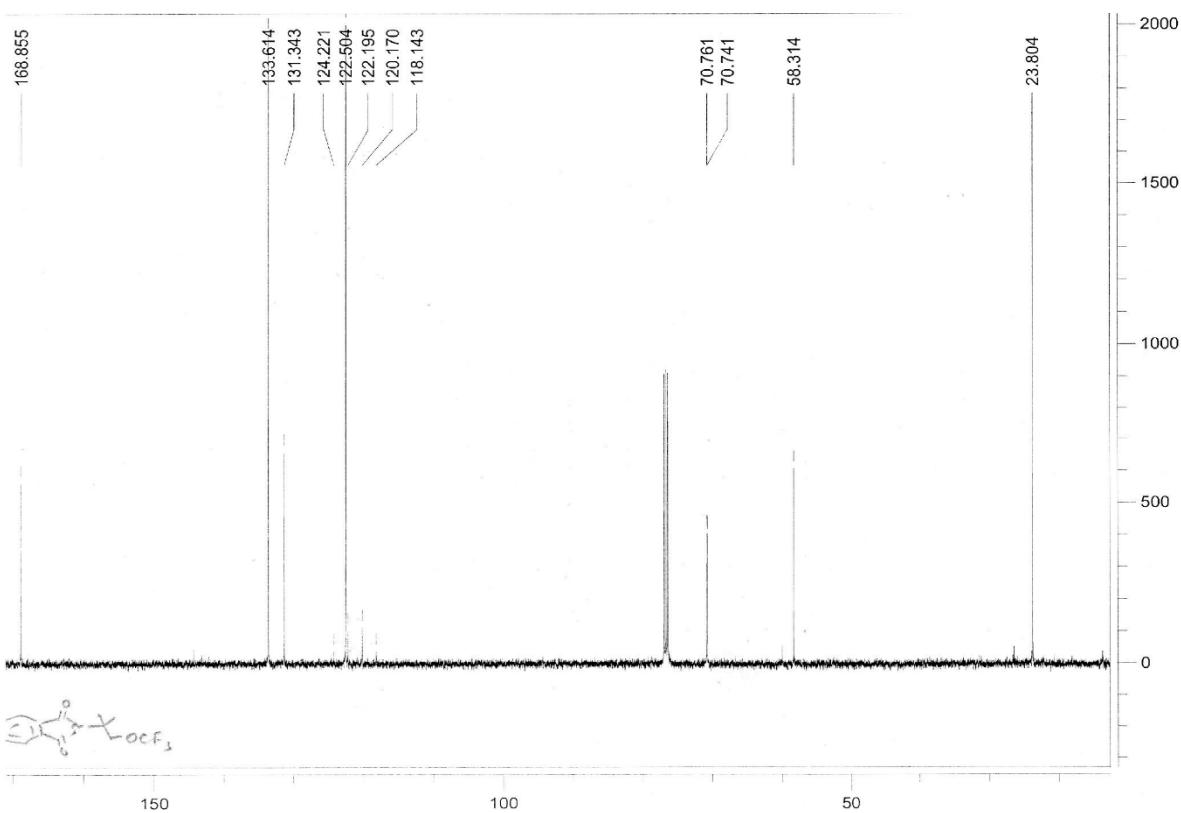
**Figure S42.** <sup>13</sup>C-NMR spectra of 2-[3-(trifluoromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **3e**.



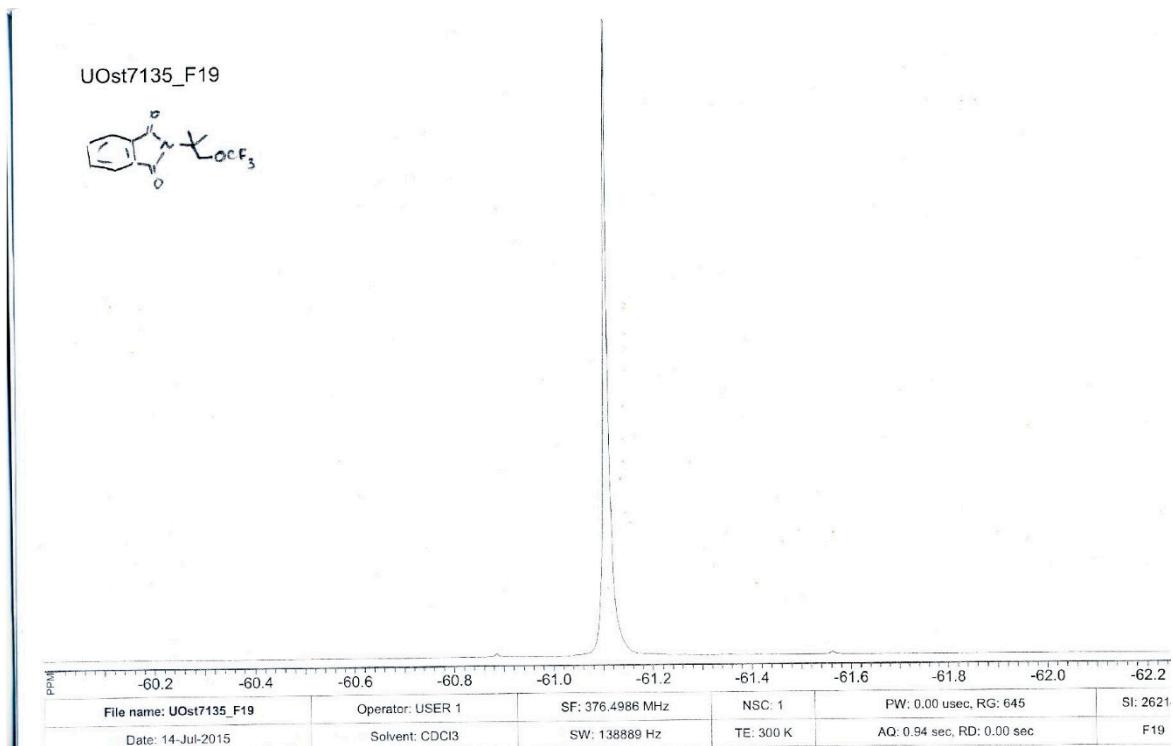
**Figure S43.** <sup>19</sup>F-NMR spectra of 2-[3-(trifluoromethoxy)propyl]-1H-isoindole-1,3(2H)-dione 3e.



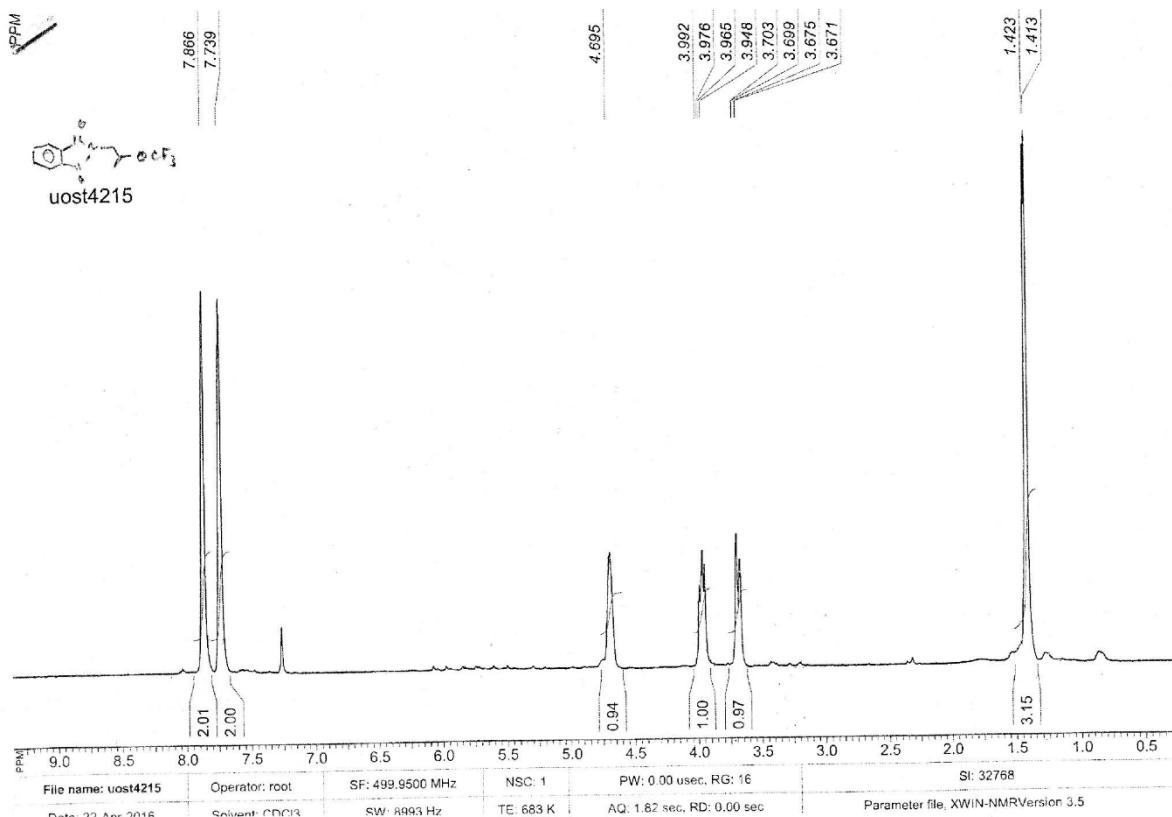
**Figure S44.** <sup>1</sup>H-NMR spectra of 2-[1,1-dimethyl-2-(trifluoromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione 3f.



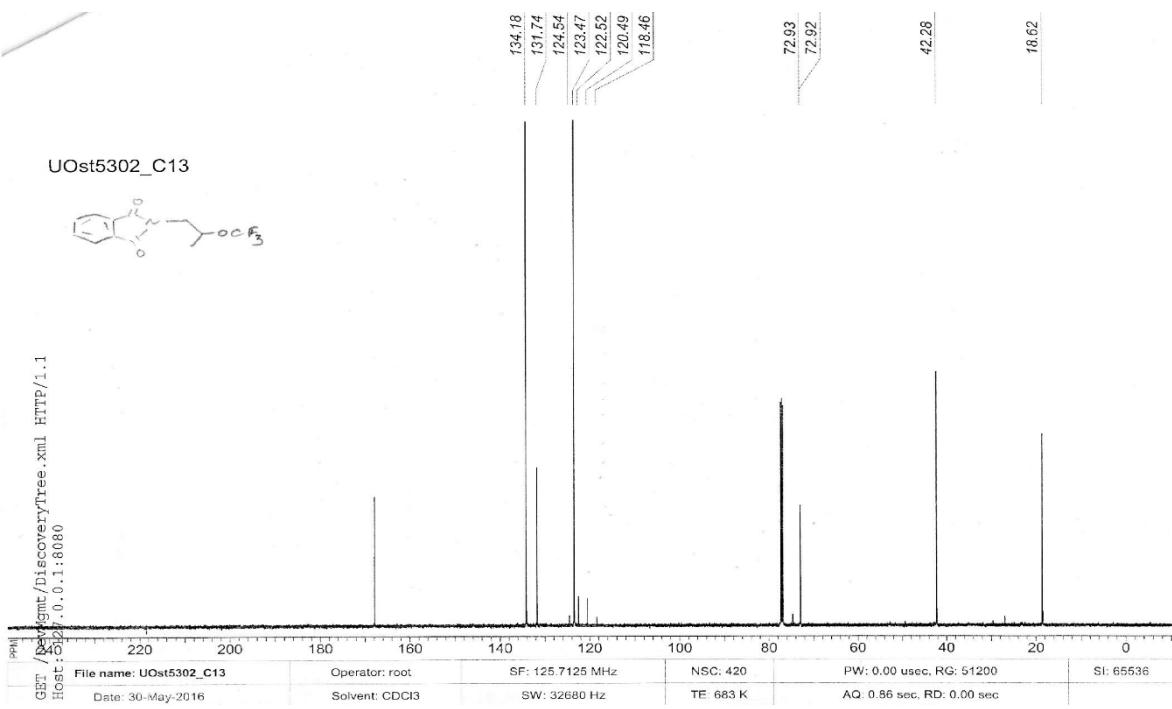
**Figure S45.** <sup>13</sup>C-NMR spectra of 2-[1,1-dimethyl-2-(trifluoromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **3f**.



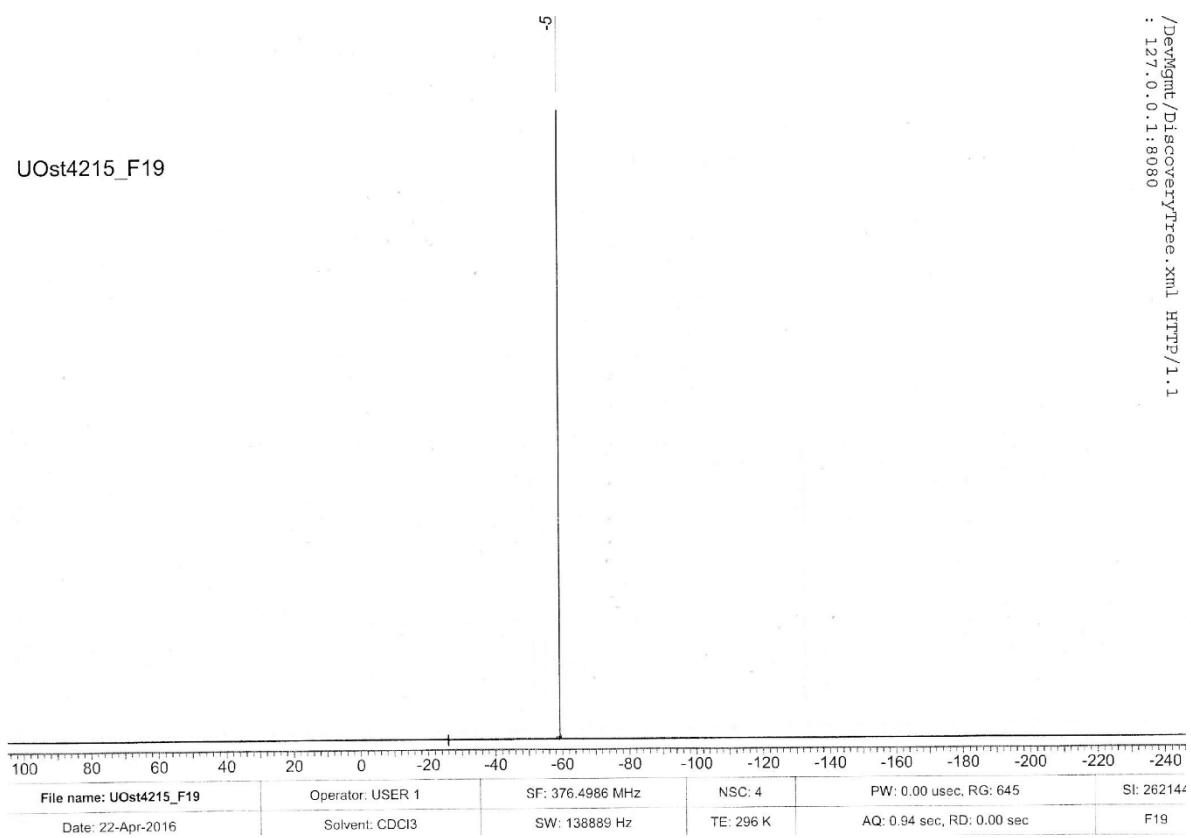
**Figure S46.** <sup>19</sup>F-NMR spectra of 2-[1,1-dimethyl-2-(trifluoromethoxy)ethyl]-1H-isoindole-1,3(2H)-dione **3f**.



**Figure S47.** <sup>1</sup>H-NMR spectra of 2-[2-(trifluoromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **3g**.



**Figure S48.** <sup>13</sup>C-NMR spectra of 2-[2-(trifluoromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **3g**.



**Figure S49.** <sup>19</sup>F-NMR spectra of 2-[2-(trifluoromethoxy)propyl]-1H-isoindole-1,3(2H)-dione **3g**.