

## SUPPLEMENTARY INFORMATION

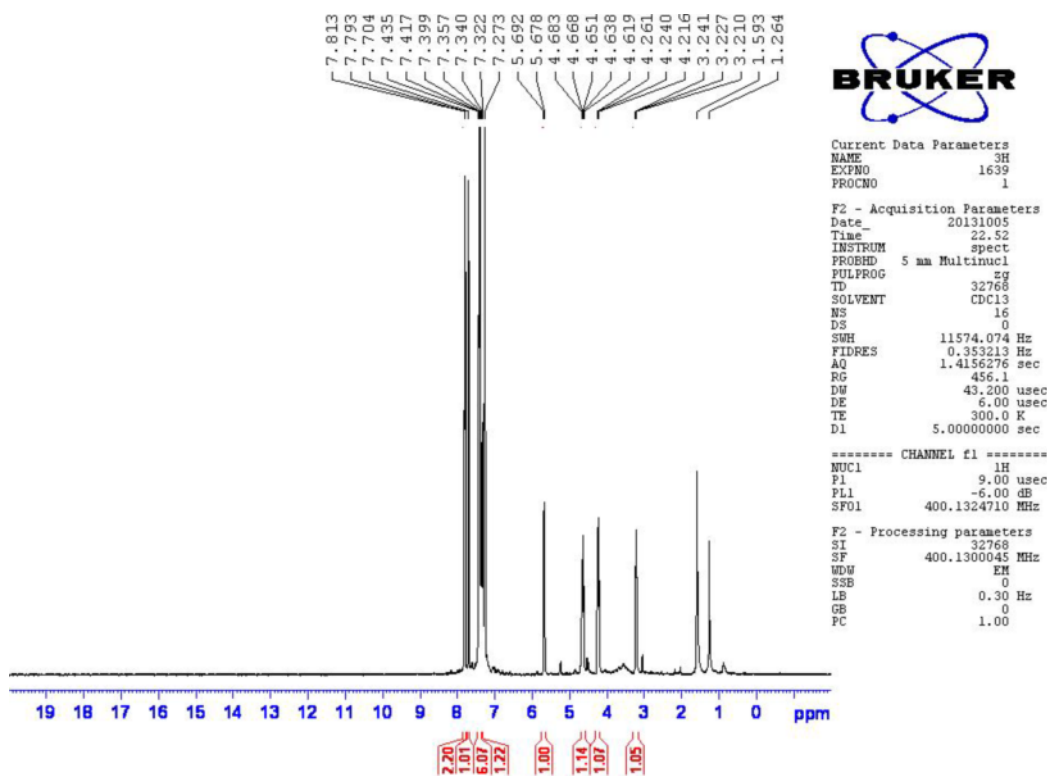
**Title:** Efficient one pot click synthesis of  $\beta$ -hydroxy-1,2,3-triazoles catalyzed by copper(I)@ phosphorated SiO<sub>2</sub> via multicomponent reaction in aqueous media

**Authors:** Hossein Naeimi\* and Vajihe Nejadshafiee

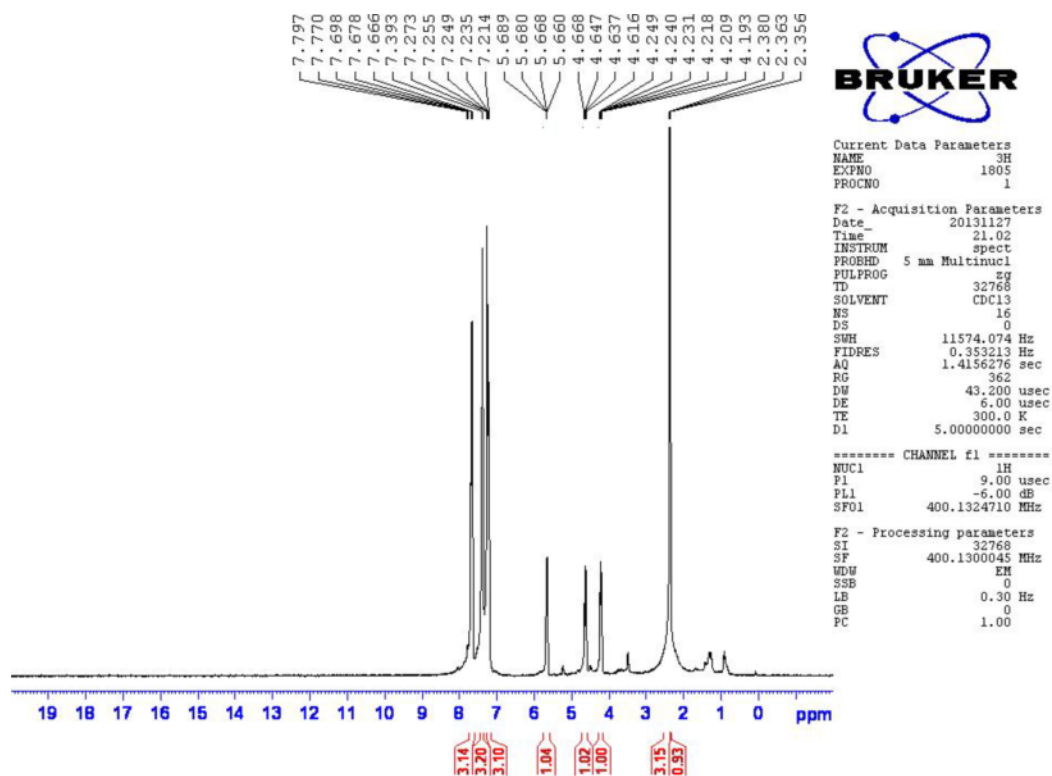
**NMR data:**

All <sup>1</sup>H NMR and <sup>13</sup>C NMR spectra were recorded in CD<sub>3</sub>Cl or DMSO at 25 °C with a Bruker DRX-400 spectrometer. Chemical shifts are given relative to the internal standard tetramethylsilane.

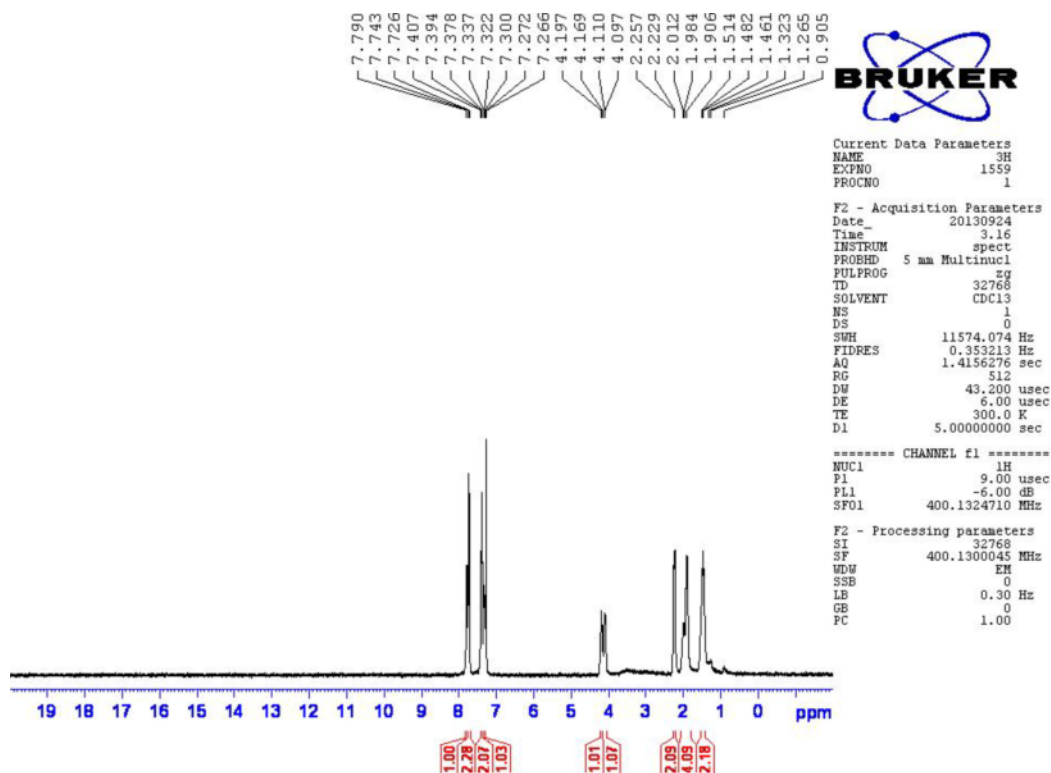
<sup>1</sup>H NMR spectra of 2-Phenyl-2-(4-phenyl-1H-1,2,3-triazol-1-yl)ethanol (**3a**).



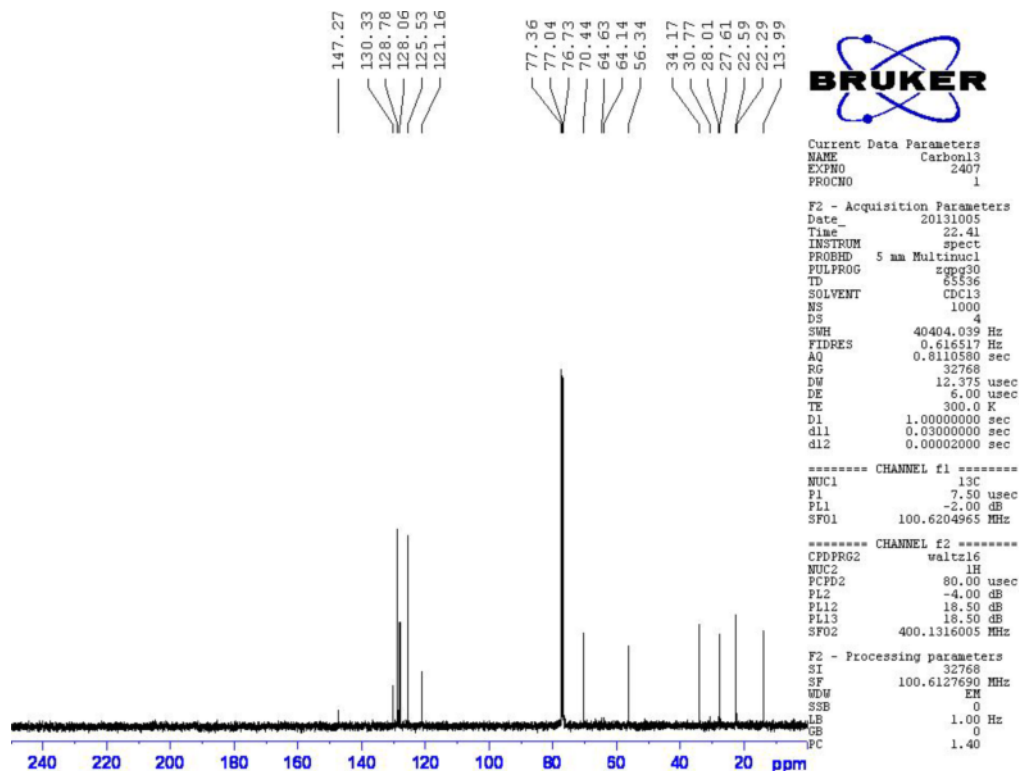
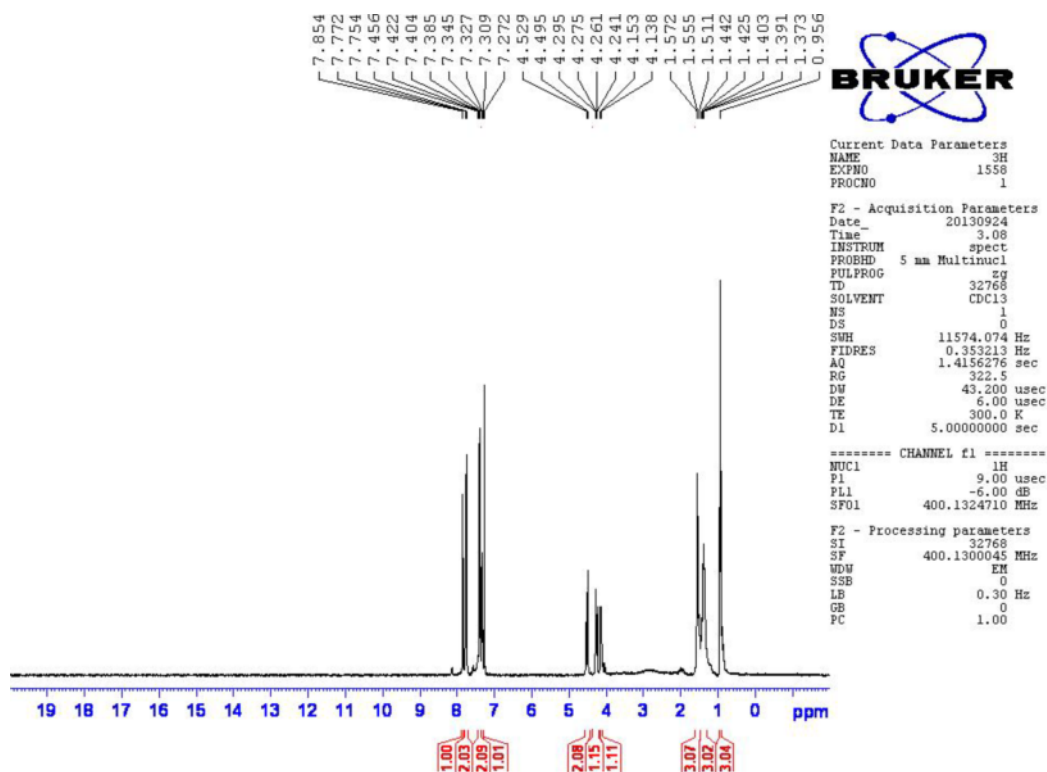
$^1\text{H}$  NMR spectra of 2-(4-phenyl-1H-1,2,3-triazol-1-yl)-1-p-tolyethanol (**3b**).



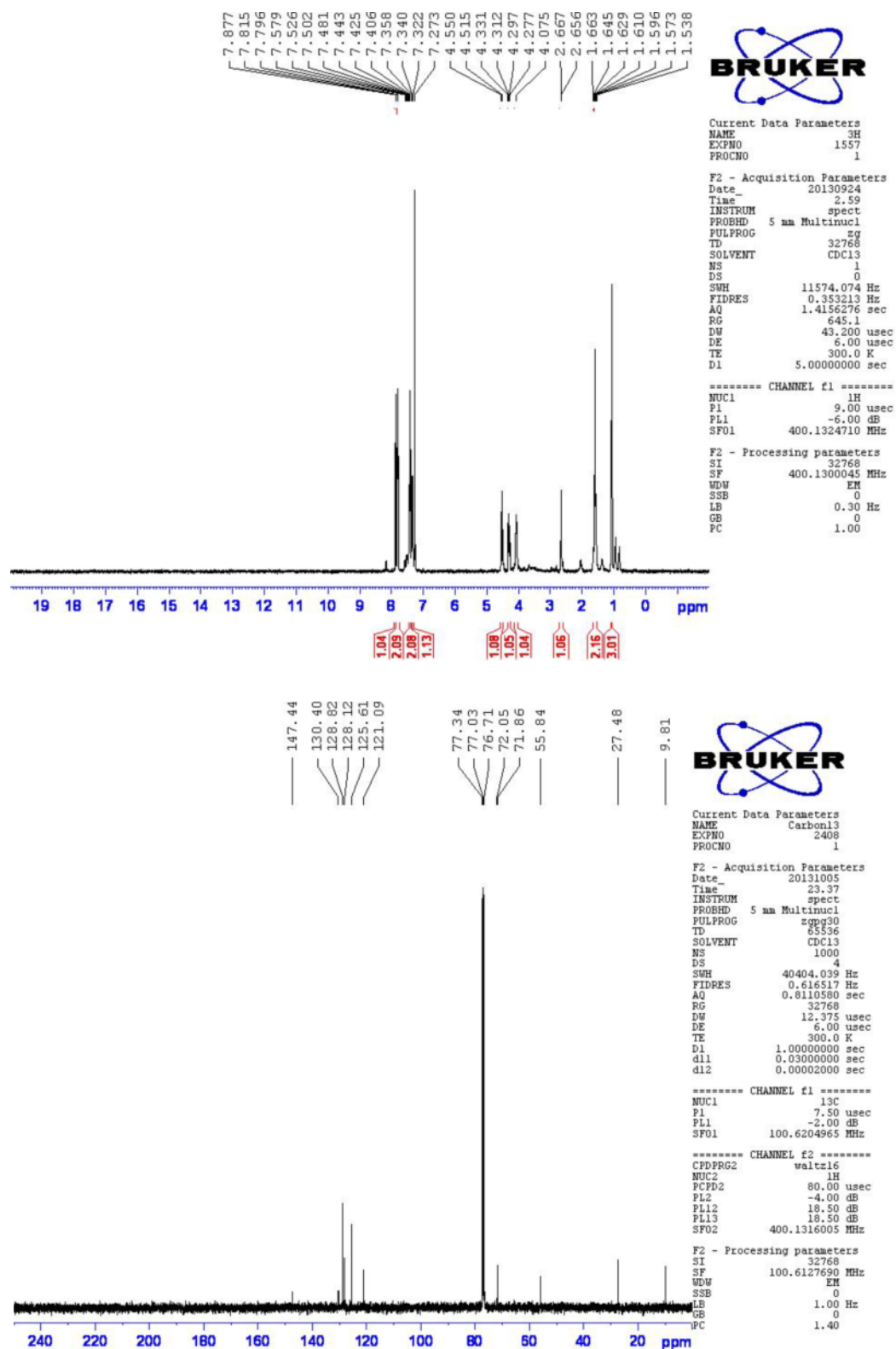
$^1\text{H}$  NMR spectra of 2-(4-Phenyl-1H-1,2,3-triazol-1-yl) cyclohexanol (**3c**).



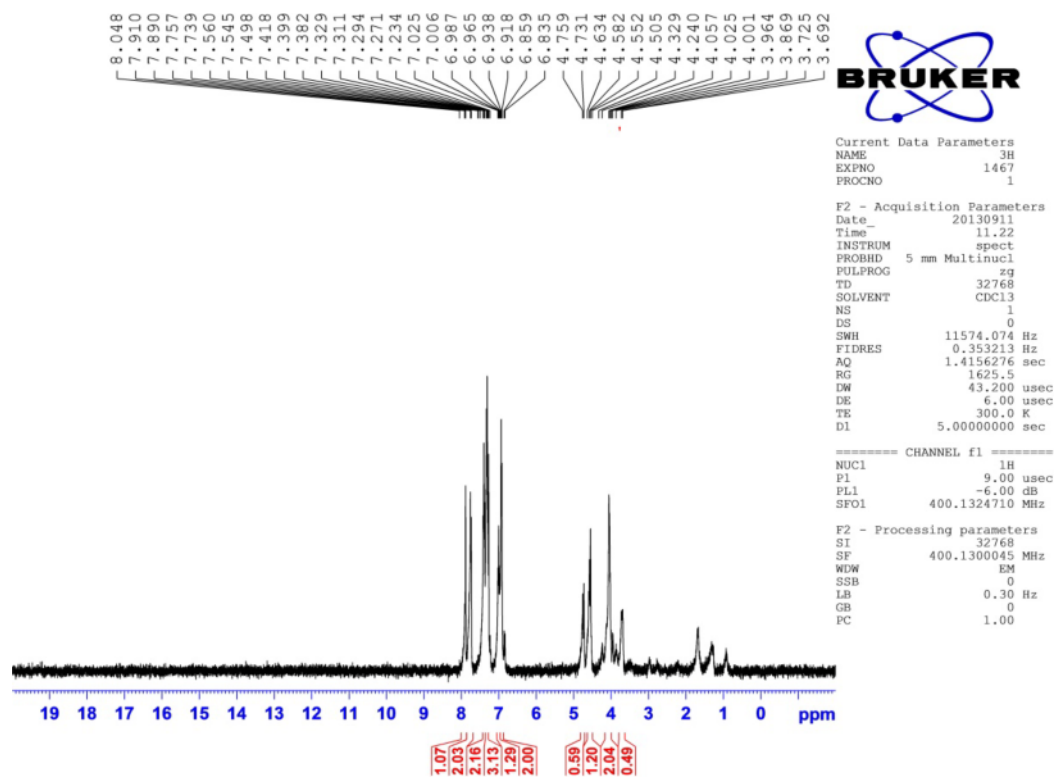
$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 1-(4-phenyl-1H-1,2,3-triazol)hexan-2-ol (**3d**).



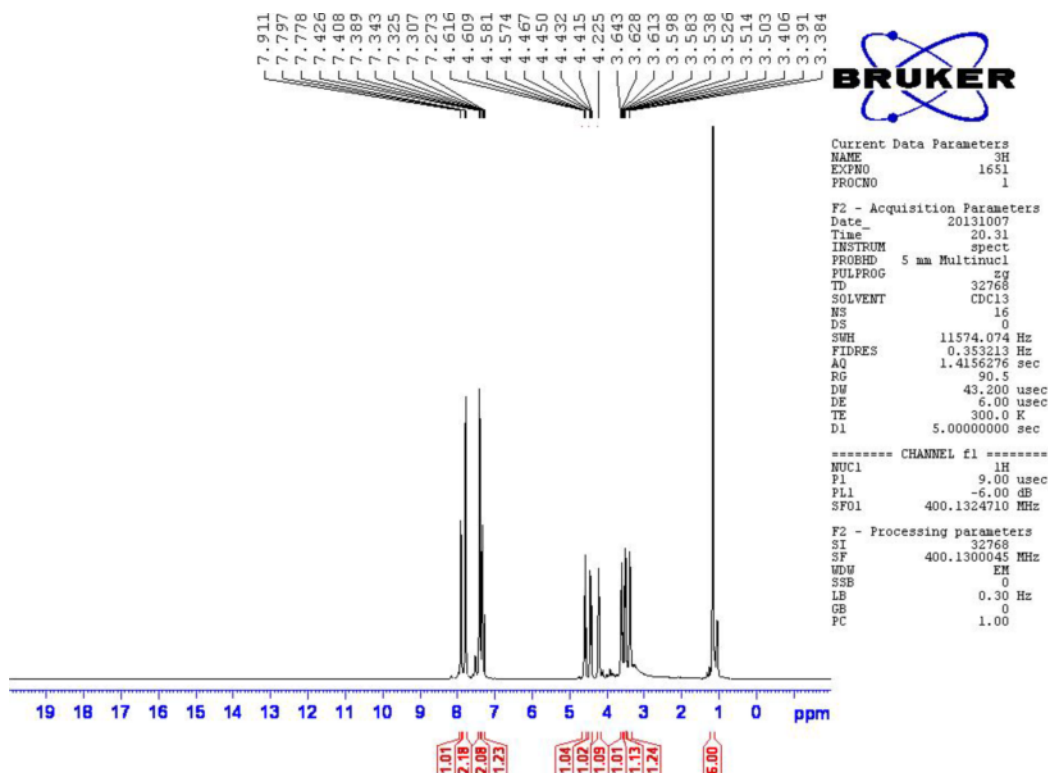
$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 1-(4-phenyl-1H-1,2,3-triazol-1-yl)butan-2-ol (**3e**).

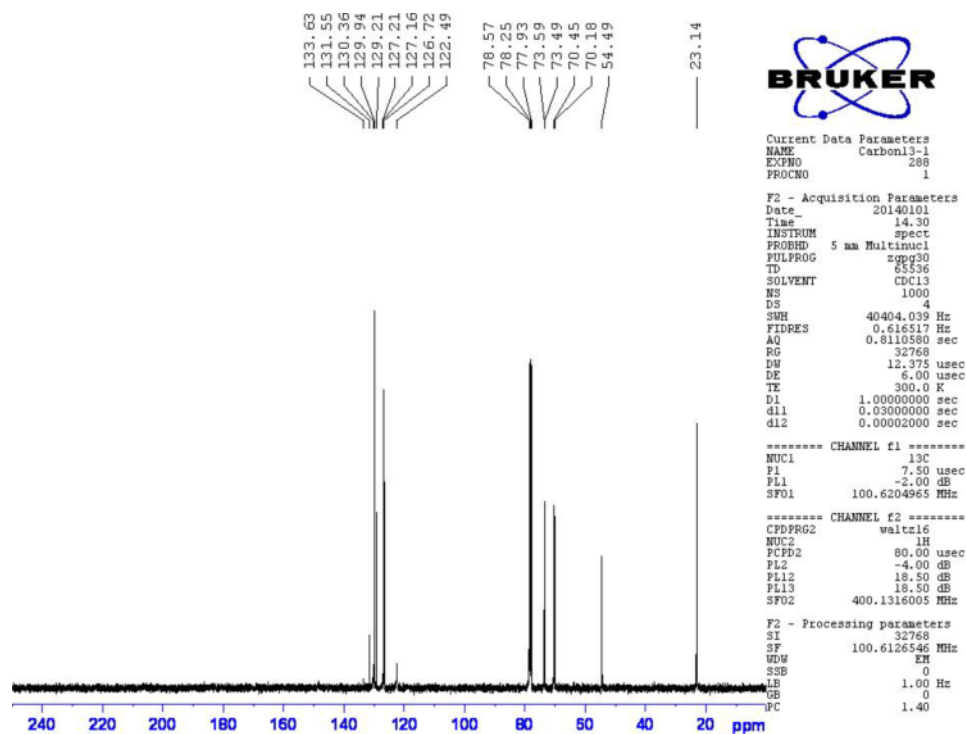


$^1\text{H}$  NMR spectra of 1-phenoxy-3-(4-phenyl-1H-1,2,3-triazol-1-yl)propan-2-ol (**3i**)

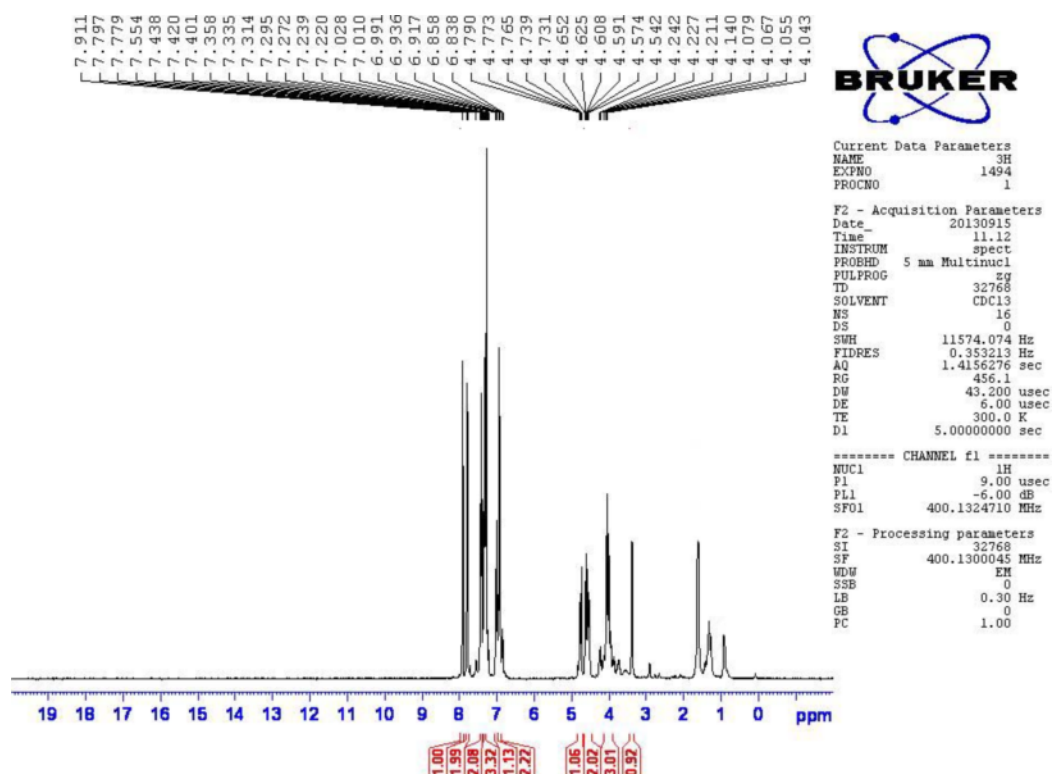


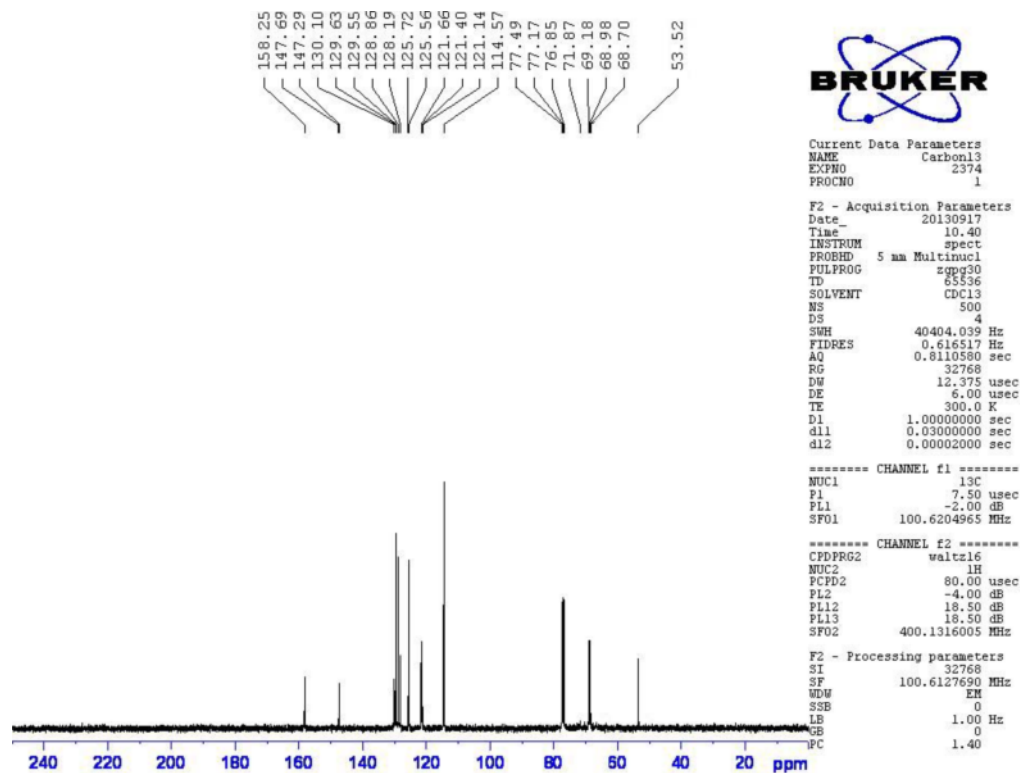
$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 3-isopropoxy-2-(4-phenyl-1H-1,2,3-triazol-1-yl)propan-1-ol (**3j**).



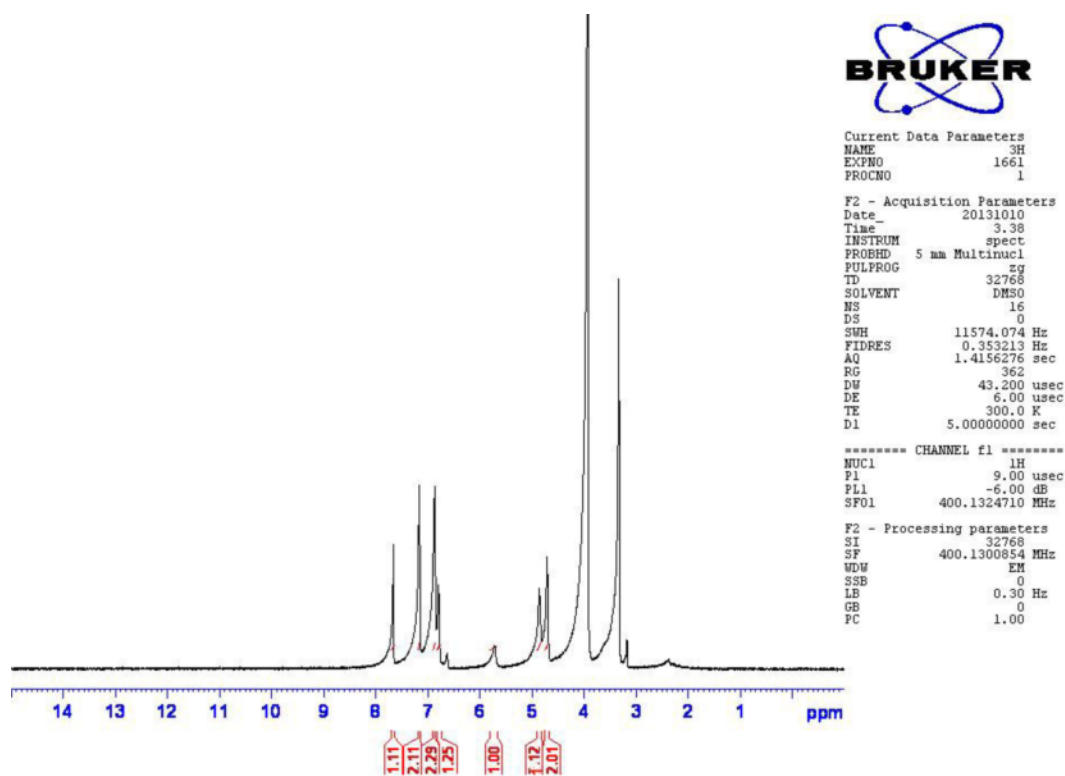


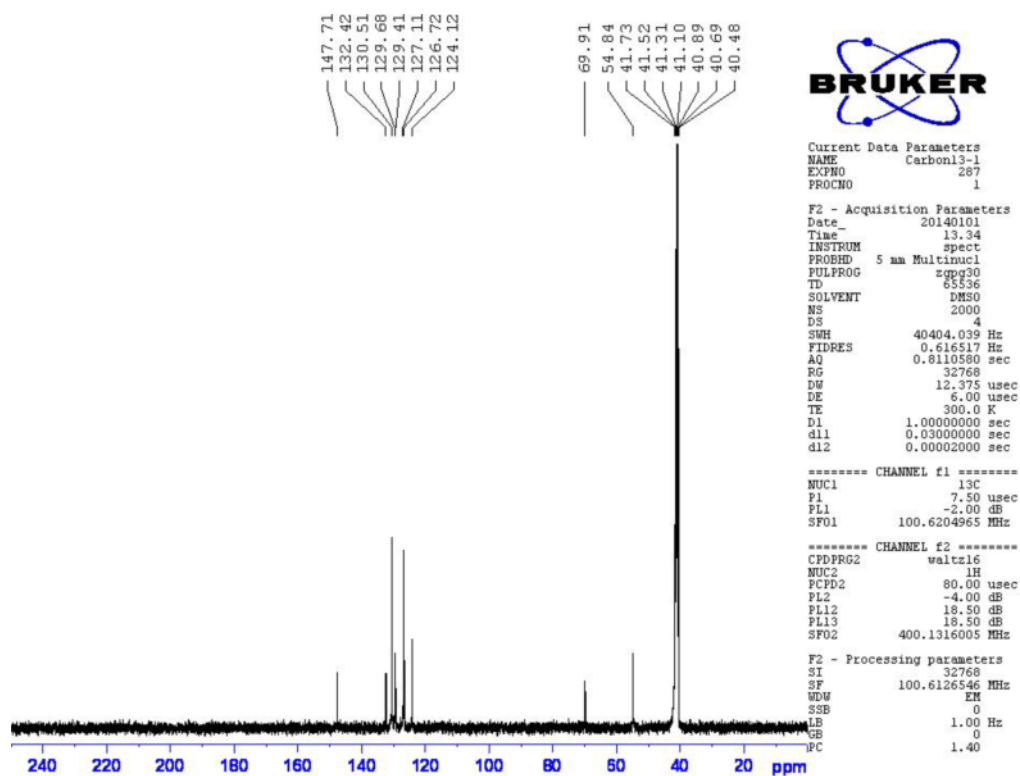
$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 2-hydroxy-3-(4-phenyl-1H-1,2,3-triazol-1-yl)propyl acrylate (**3k**).





$^1\text{H}$  and  $^{13}\text{C}$  NMR spectra of 1,3-bis(5-phenyl-1H-1,2,3-triazol-1-yl) propan-2-ol (**3l**, **3m**).





<sup>1</sup>H NMR spectra of 2-phenyl-2-(4-propyl-1H-1,2,3-triazol-1-yl)ethanol (**3n**).

