

Supporting Information

Fe₃O₄ supported [Cu(II) (met)(pro-H)₂] complex as a novel nanomagnetic catalytic System for room temperature C-O coupling reactions

Ahmed Talal Ali ^{a,*}, Muthik A.Guda ^b, Amjad I. Oraibi ^c, Issam K. Salih ^d, A.H. Shather ^e, Abbas Talib Abd Ali ^f, Ahmed L. Azzawi ^g, Haider Abdulkareem Almashhadani ^h

^a Department of Pharmaceutical chemistry, College of Pharmacy, University of Basrah.

^b Kufa University, College of Science, Department of Ecology Science.

^c Al-Manara College for Medical Sciences, department of pharmacy.

^d Department of Chemical Engineering and Petroleum Industries, Al-Mustaqbal University College 51001 Hilla, Babylon, Iraq.

^e Department of computer engineering technology Al Kitab University, Altun Kopru, Kirkuk 00964, Iraq.

^f Department of Medical Laboratories Technology, National University of Science and Technology, Dhi Qar, Iraq.

^g Uruk University, College of Dentistry, Baghdad, Iraq.

^h University of Baghdad, College of Science, Chemistry Department, Baghdad, Iraq.

Corresponding author *Email: haider.200690@gmail.com

Copies of NMR spectra:

Supporting Information

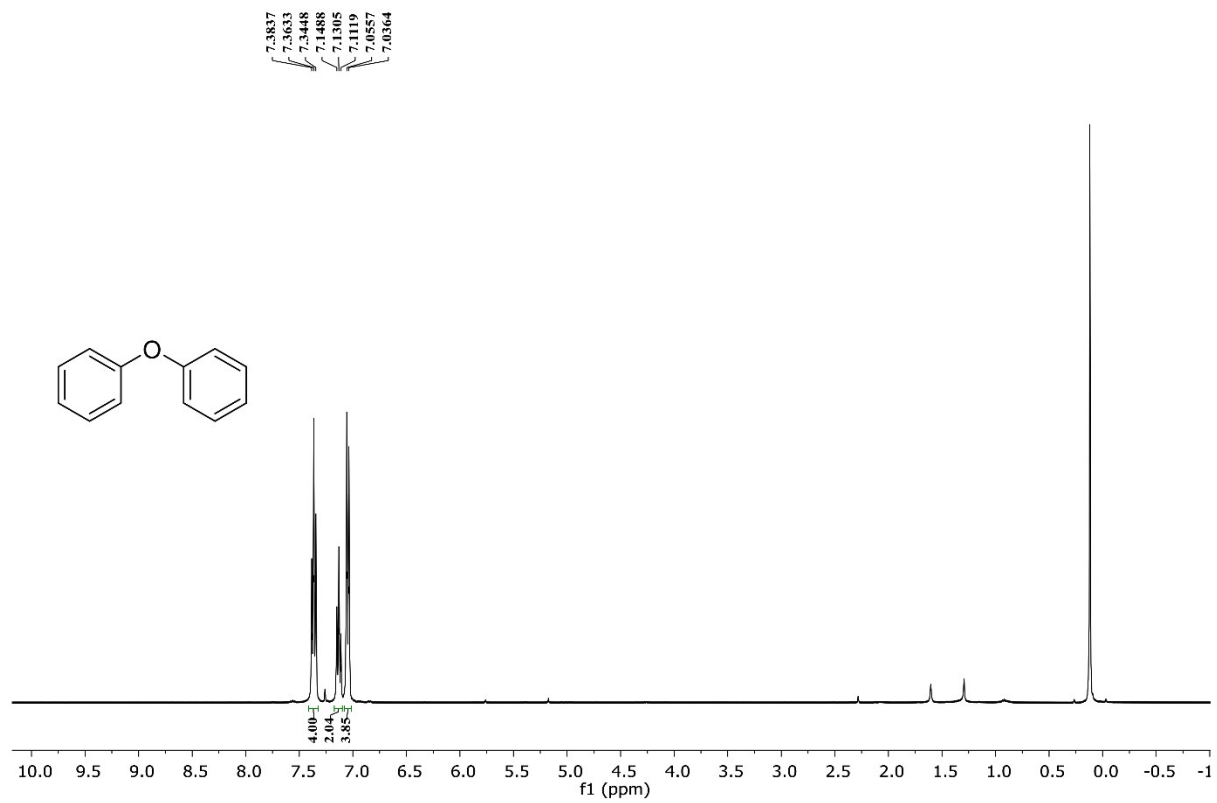


Figure S1. ¹H NMR spectrum of Diphenyl ether.

Supporting Information

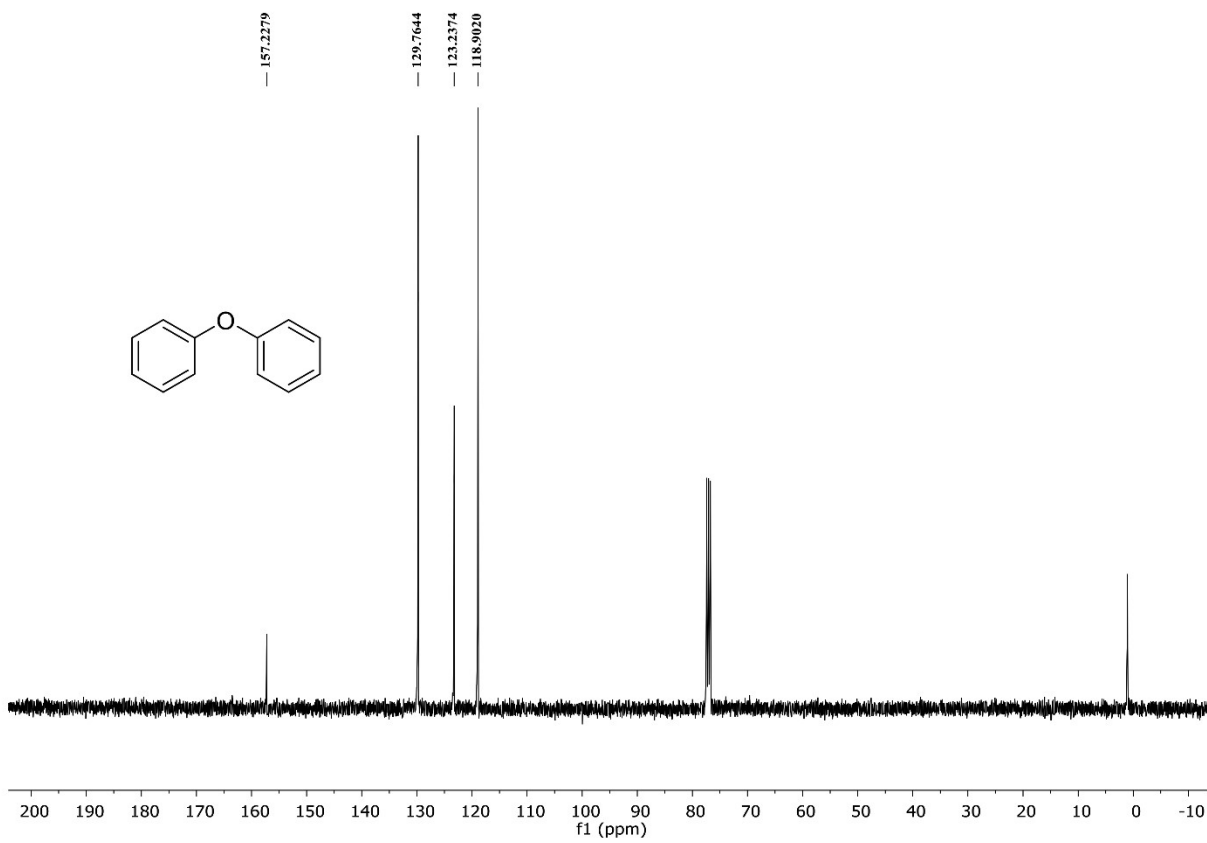


Figure S2. ^{13}C NMR spectrum of Diphenyl ether.

Supporting Information

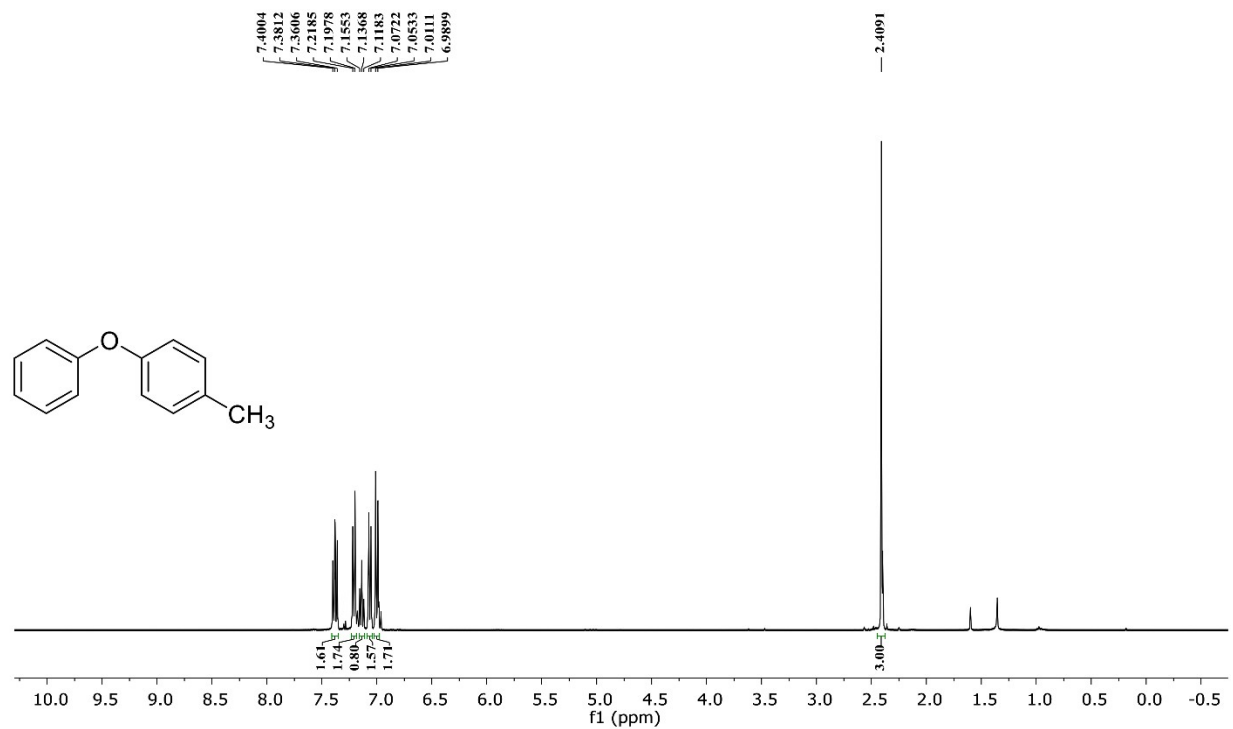


Figure S3. ¹H NMR spectrum of 1-Methyl-4-phenoxybenzene.

Supporting Information

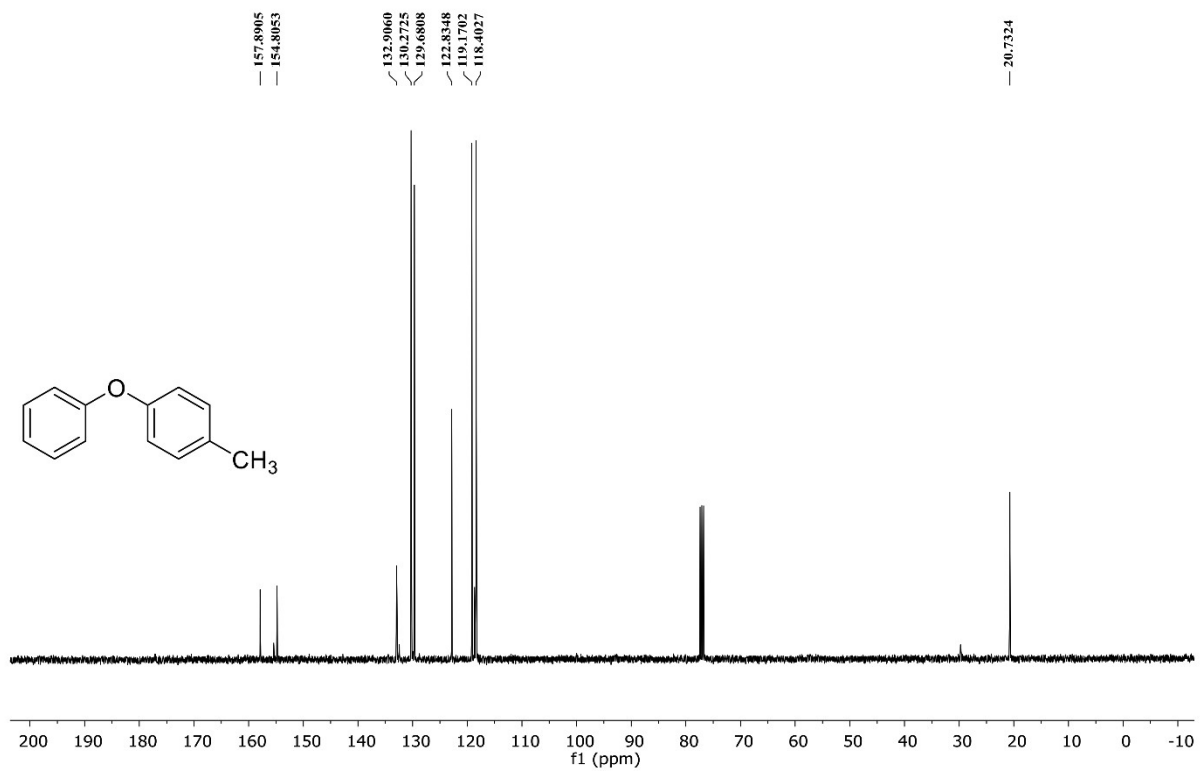


Figure S4. ^{13}C NMR spectrum of 1-Methyl-4-phenoxybenzene.

Supporting Information

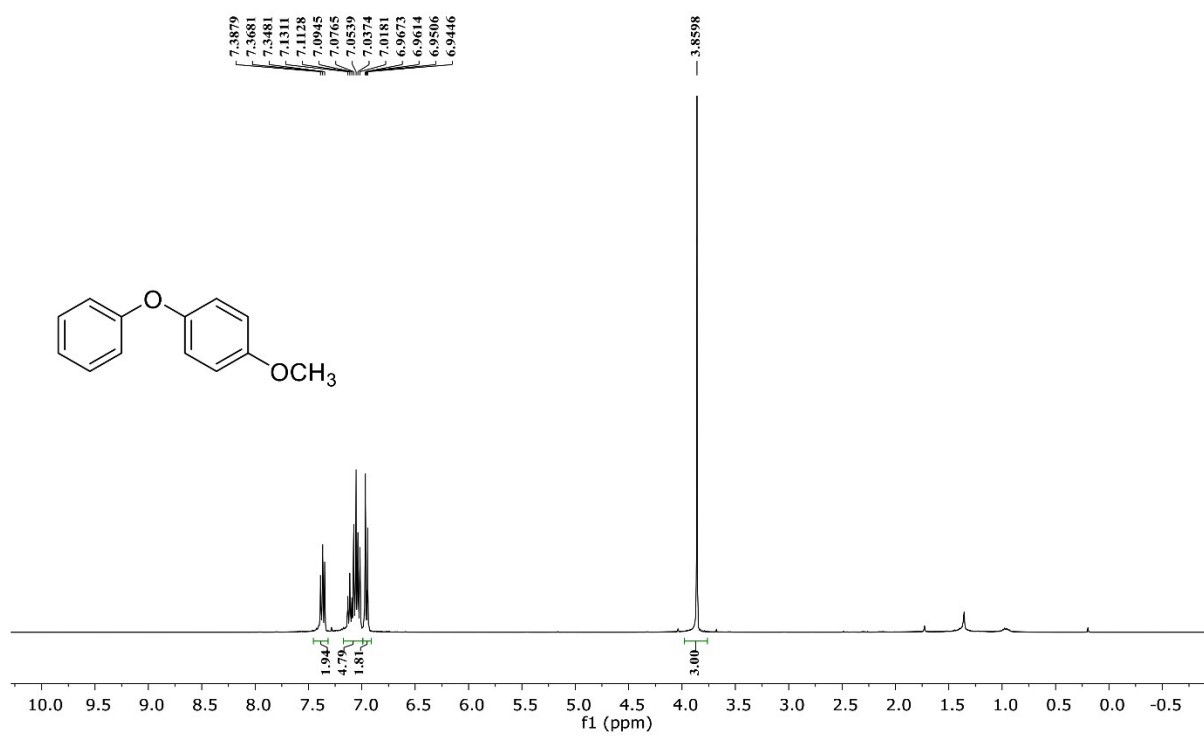


Figure S5. ¹H NMR spectrum of 1-Methoxy-4-phenoxybenzene.

Supporting Information

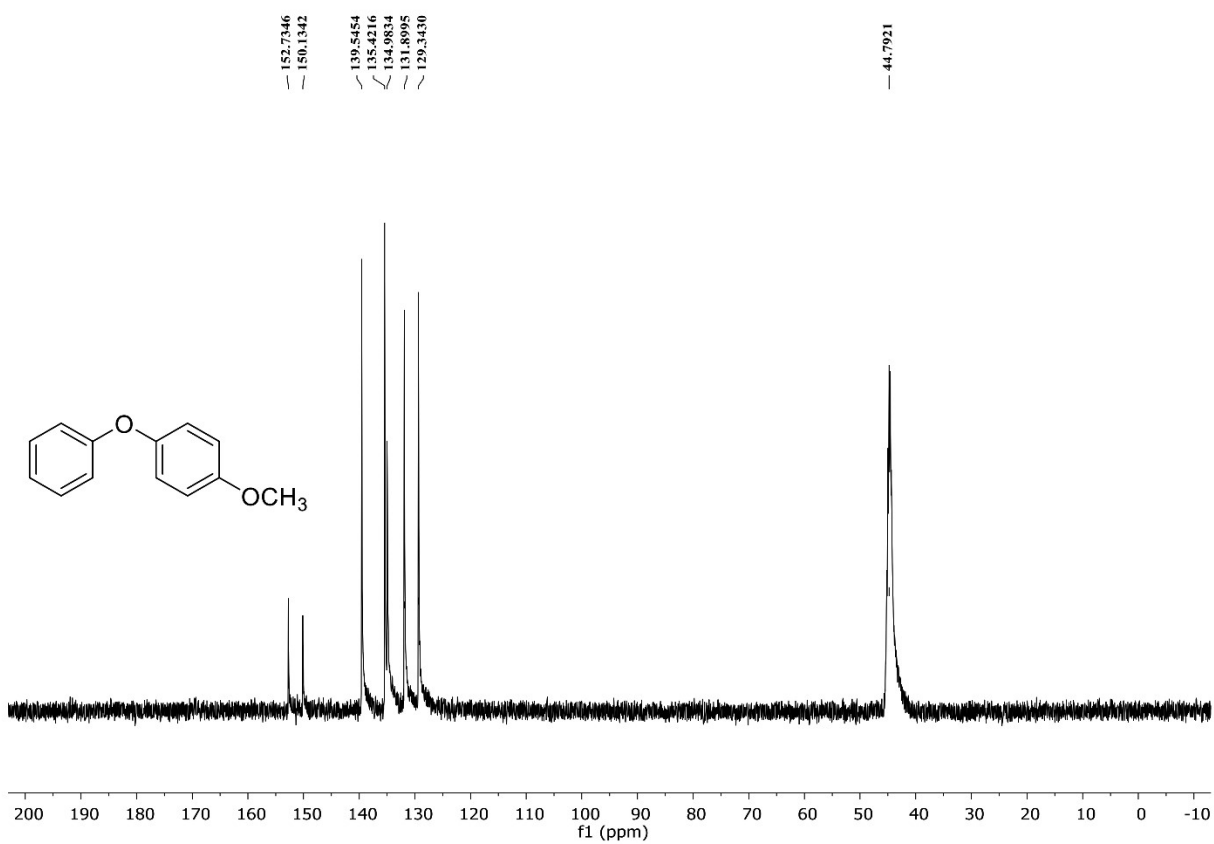


Figure S6. ¹³CNMR spectrum of 1-Methoxy-4-phenoxybenzene.

Supporting Information

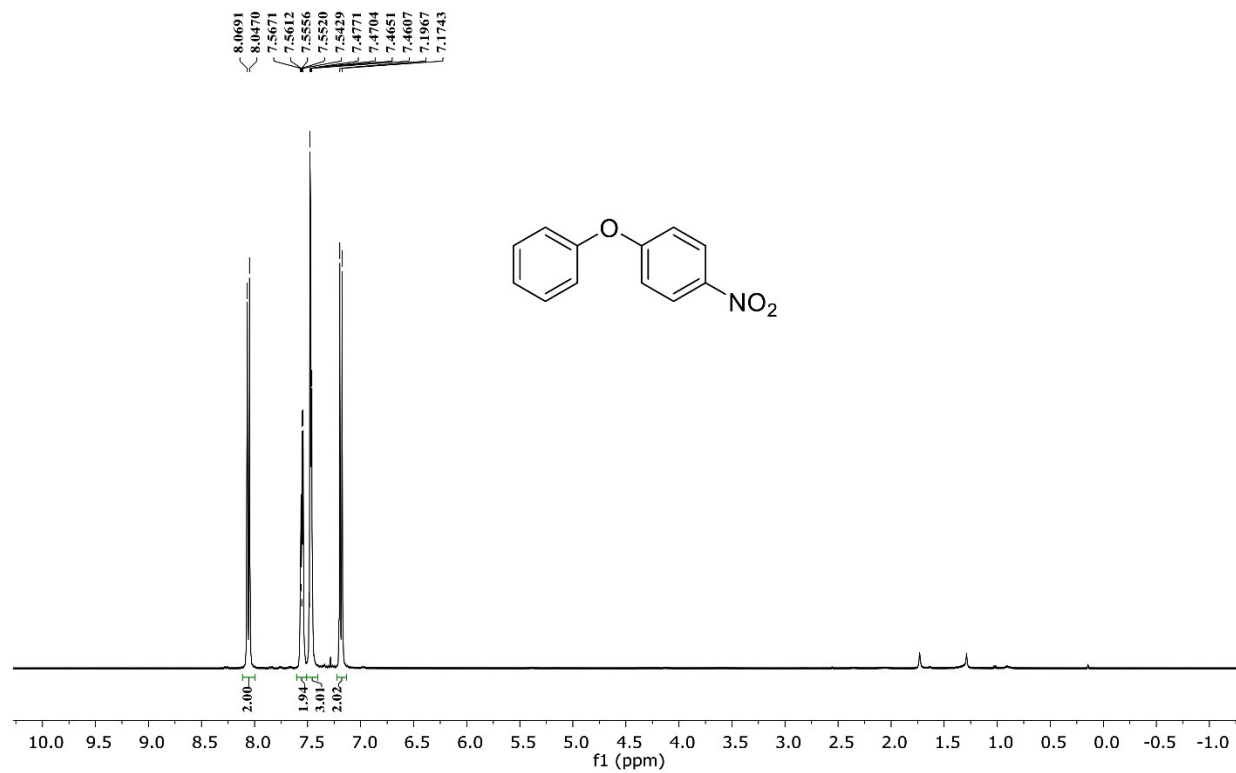


Figure S7. ¹H NMR spectrum of 1-Nitro-4-phenoxybenzene.

Supporting Information

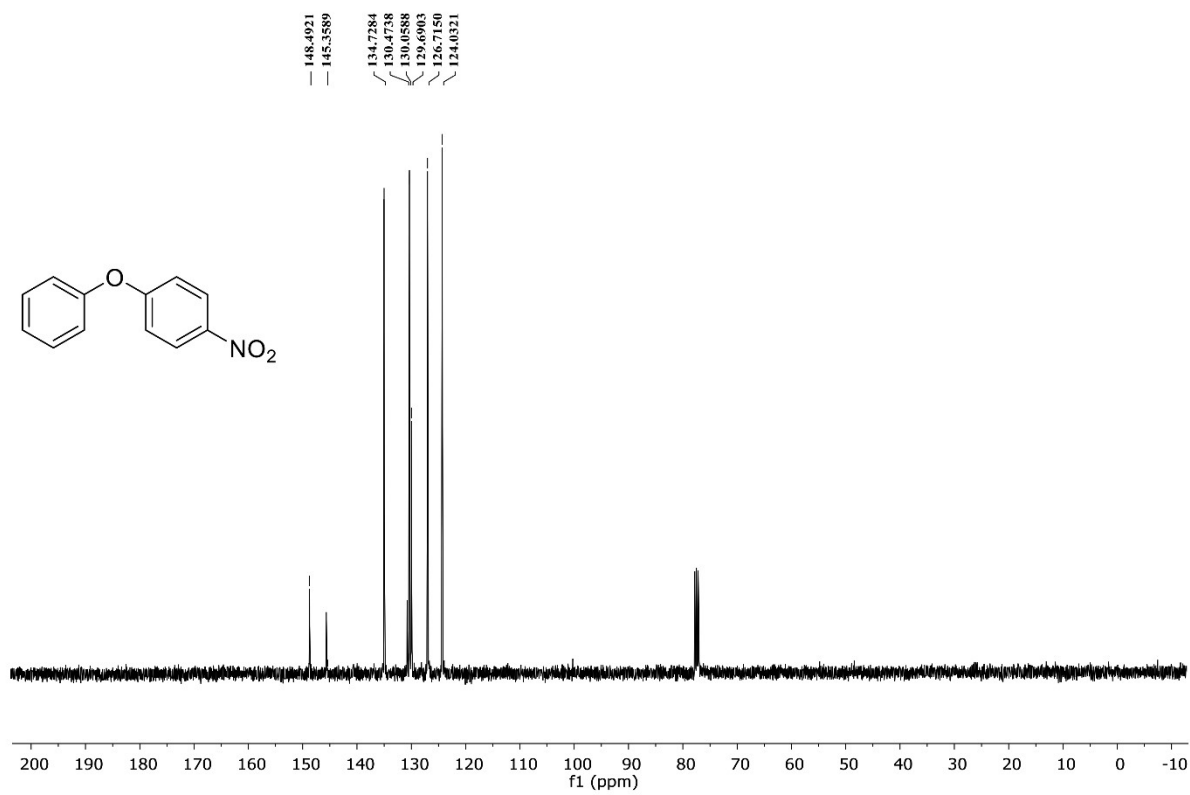


Figure S8. ¹³CNMR spectrum of 1-Nitro-4-phenoxybenzene.