

Supporting information

Oenothera biennis extract as reducing agent for the synthesis of Pd NPs supported on halloysite functionalized with Schiff base: an efficient catalyst for Cu- and ligand-free Sonogashira reaction in aqueous media

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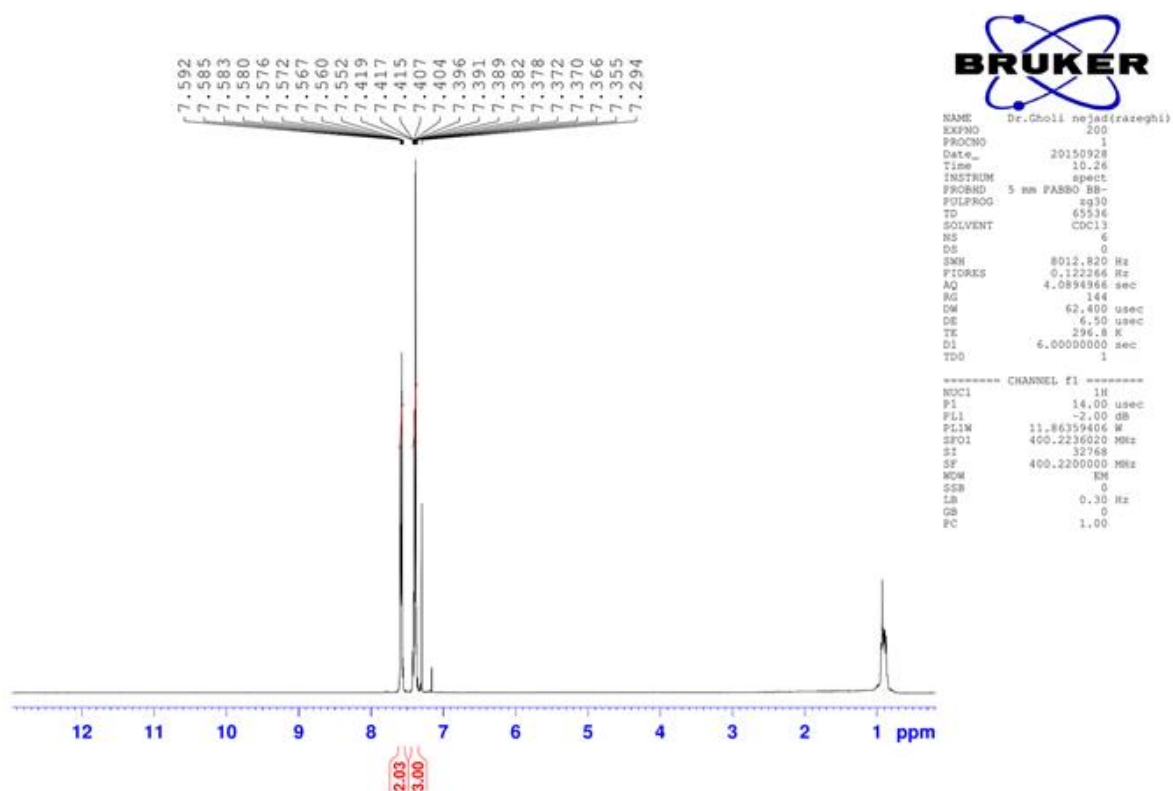


Figure S1. ^1H NMR of 1,2-diphenylethyne

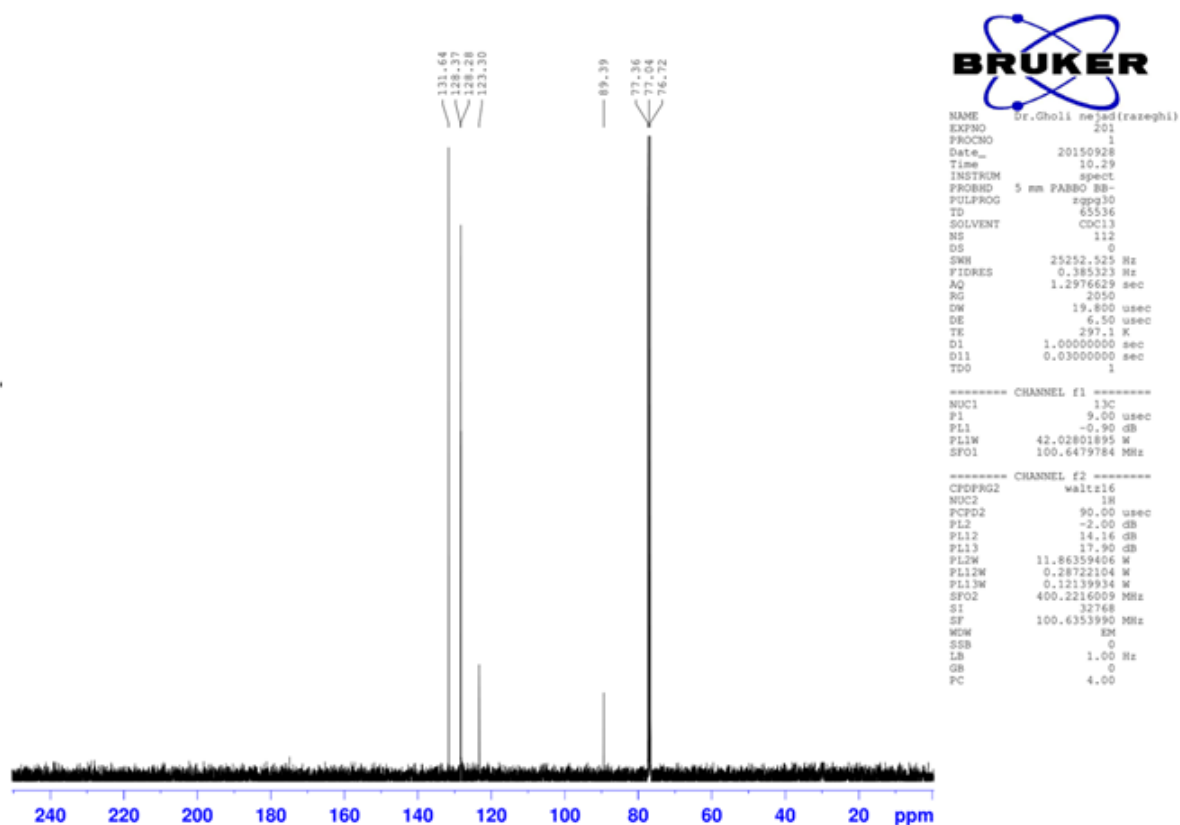


Figure S2. ^{13}C NMR of 1,2-diphenylethyne

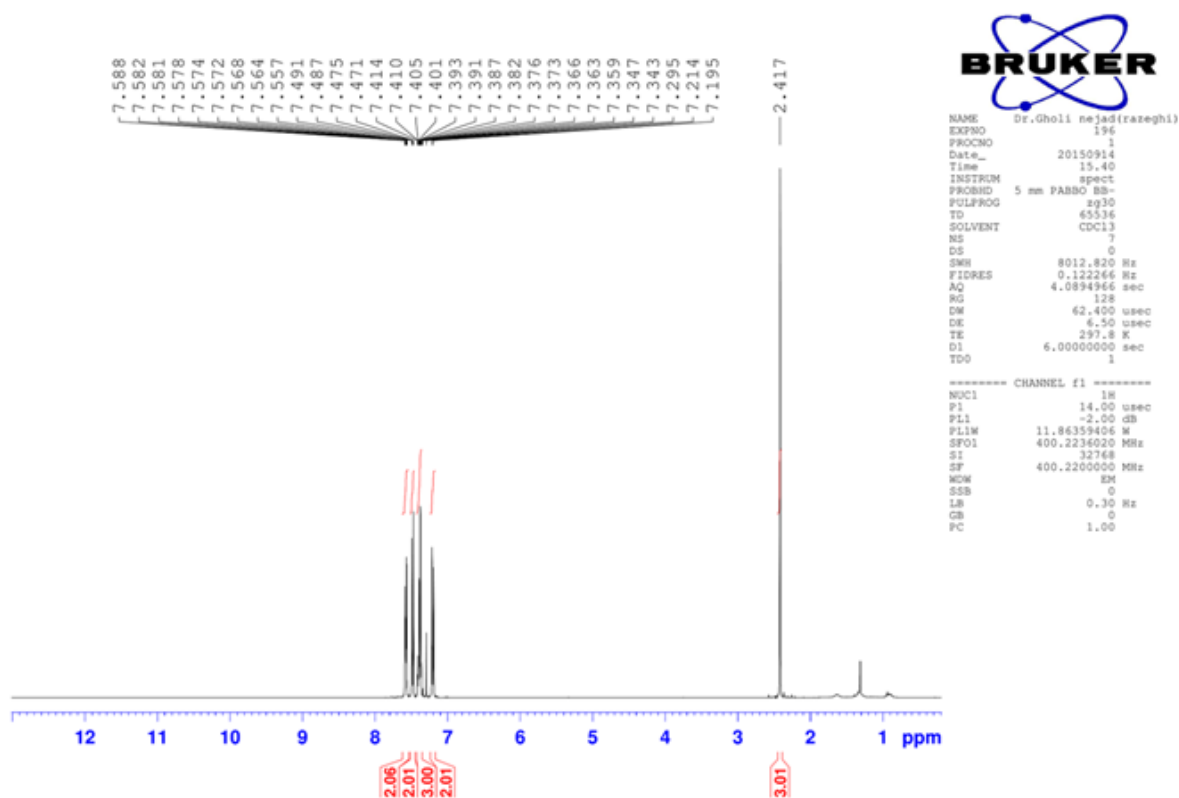


Figure S3. ^1H NMR of 1-methyl-4-(phenylethynyl)benzene

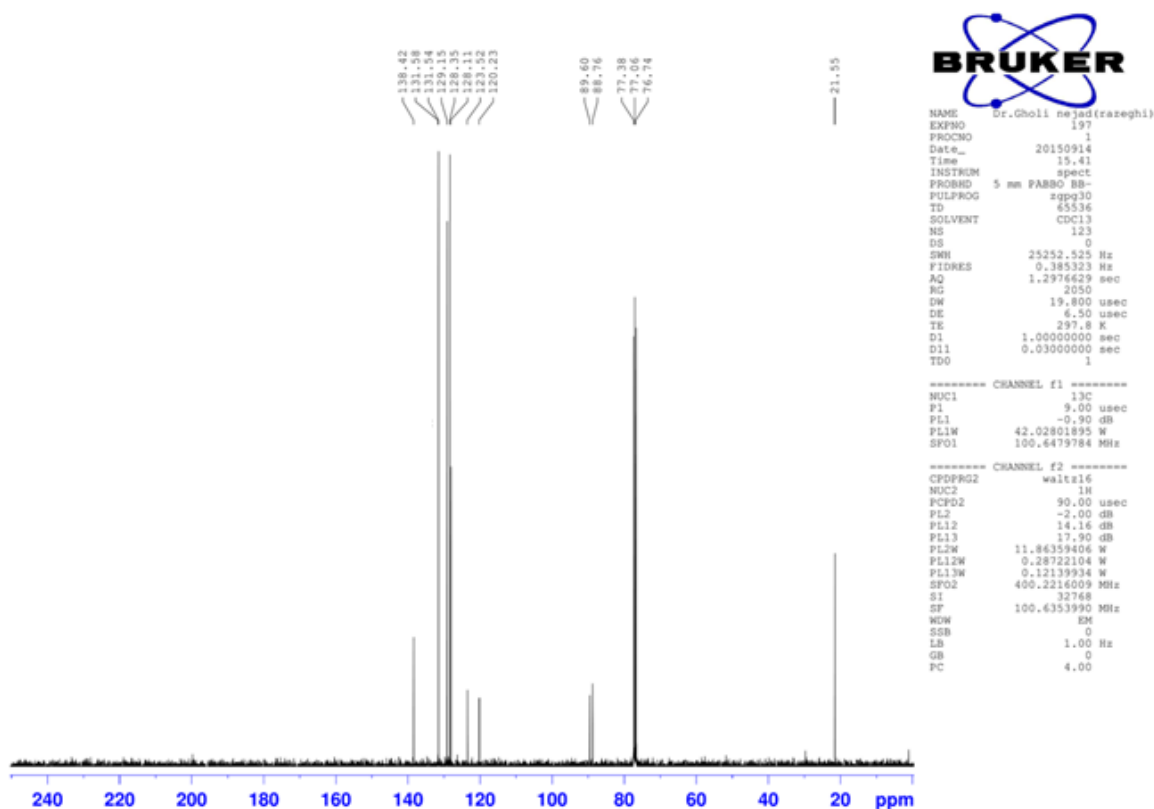


Figure S4. ^{13}C NMR of 1-methyl-4-(phenylethynyl)benzene

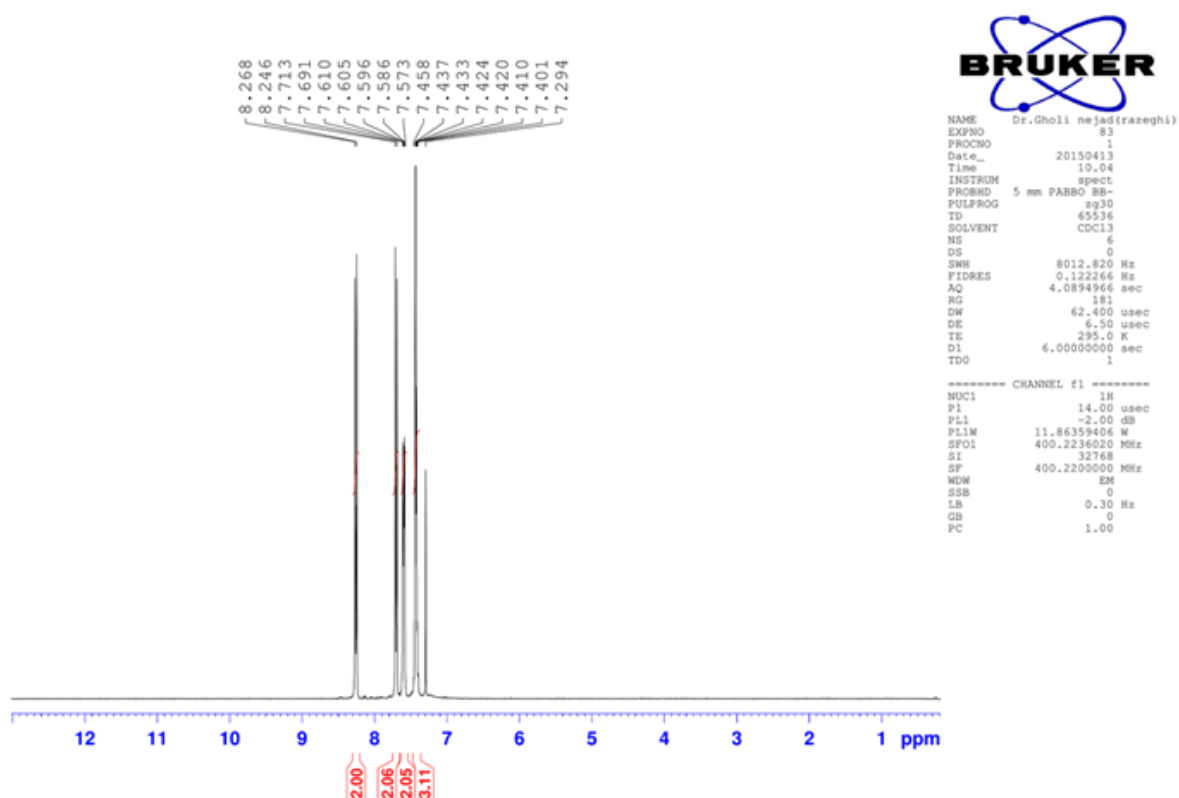


Figure S5. ^1H NMR of 1-nitro-4-(phenylethynyl) benzene

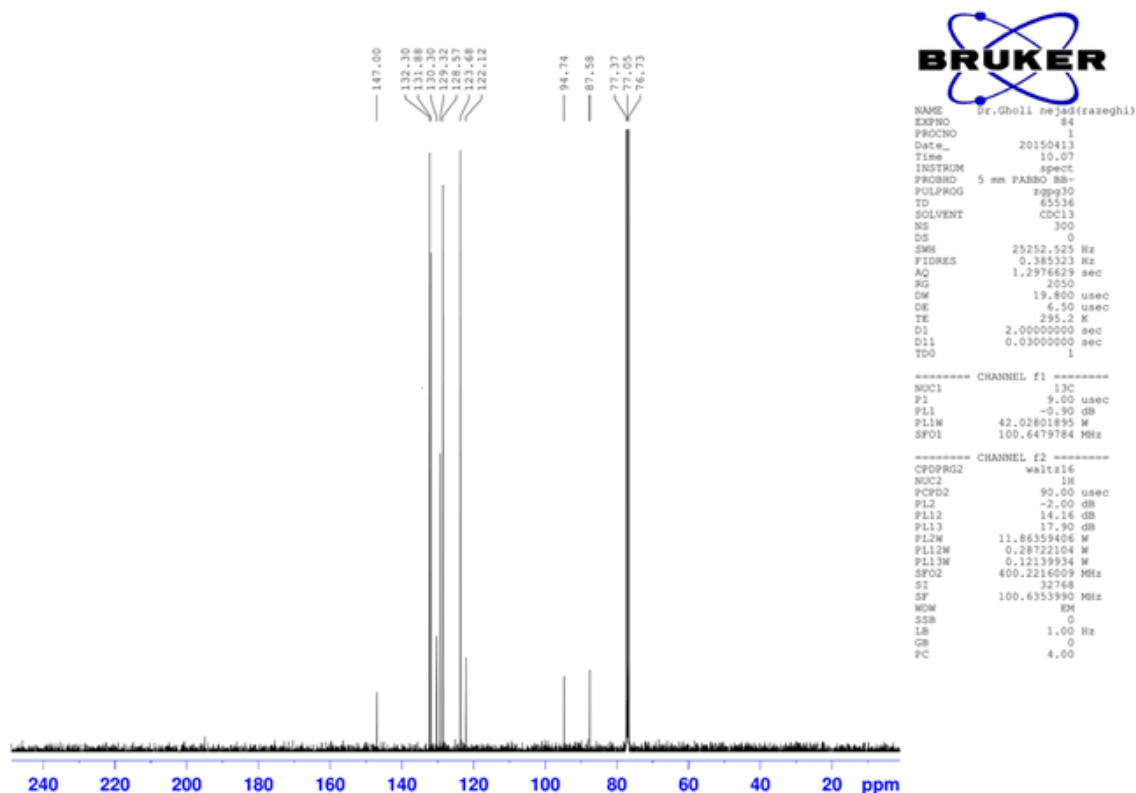


Figure S6. ^{13}C NMR of 1-nitro-4-(phenylethynyl) benzene

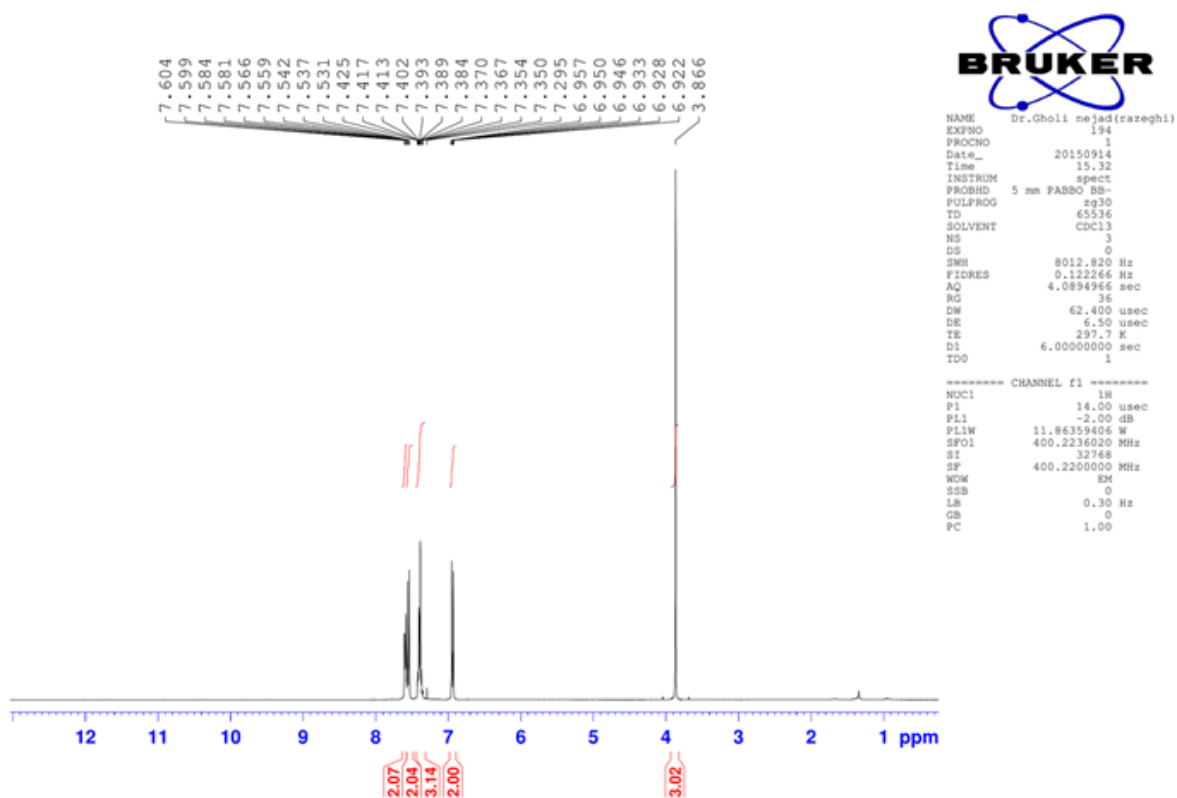


Figure S7. ^1H NMR of 1-methoxy-4-(phenylethynyl)benzene

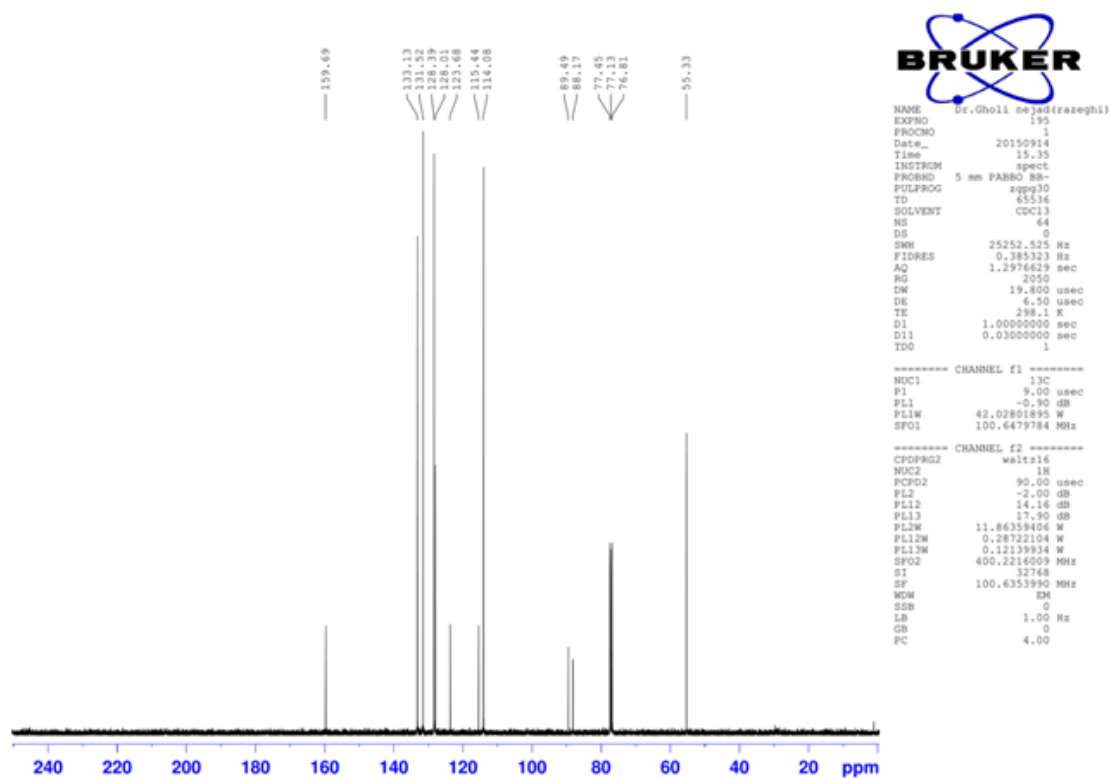


Figure S8. ^{13}C NMR of 1-methoxy-4-(phenylethynyl)benzene

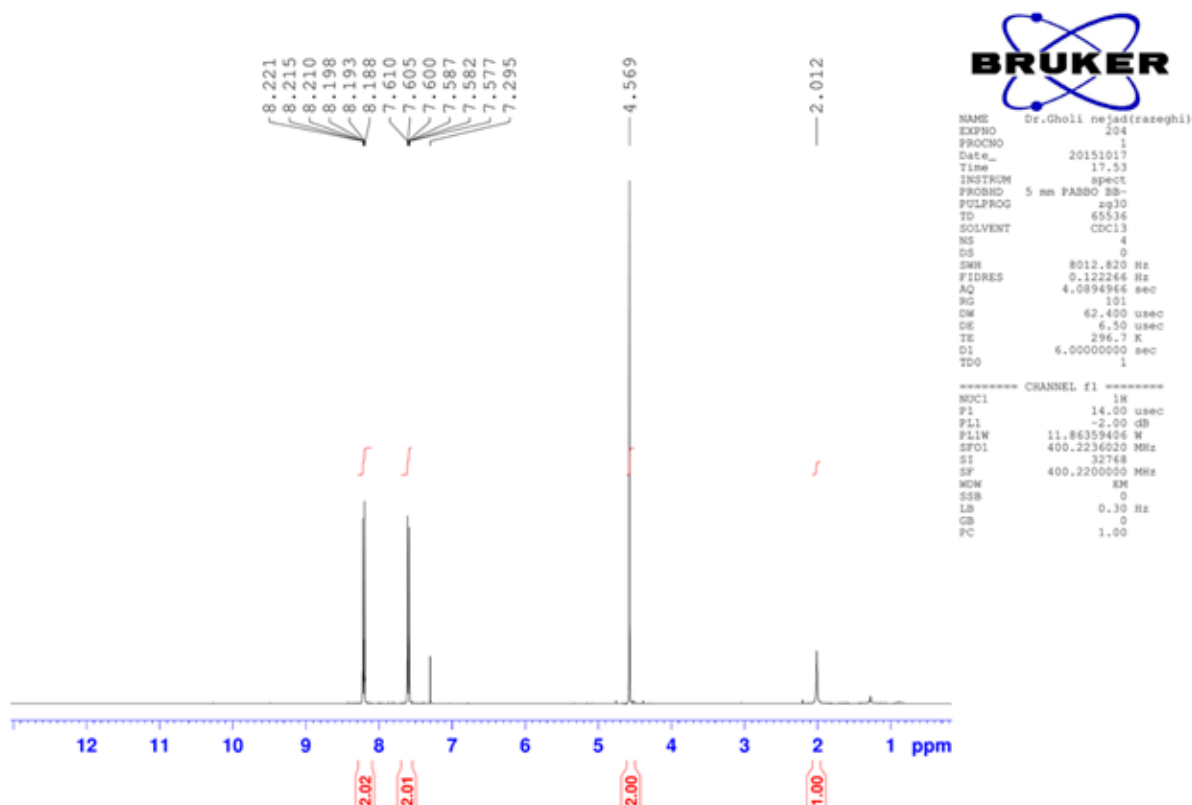


Figure S9. ¹H NMR of 3-(4-nitrophenyl)prop-2-yn-1-ol

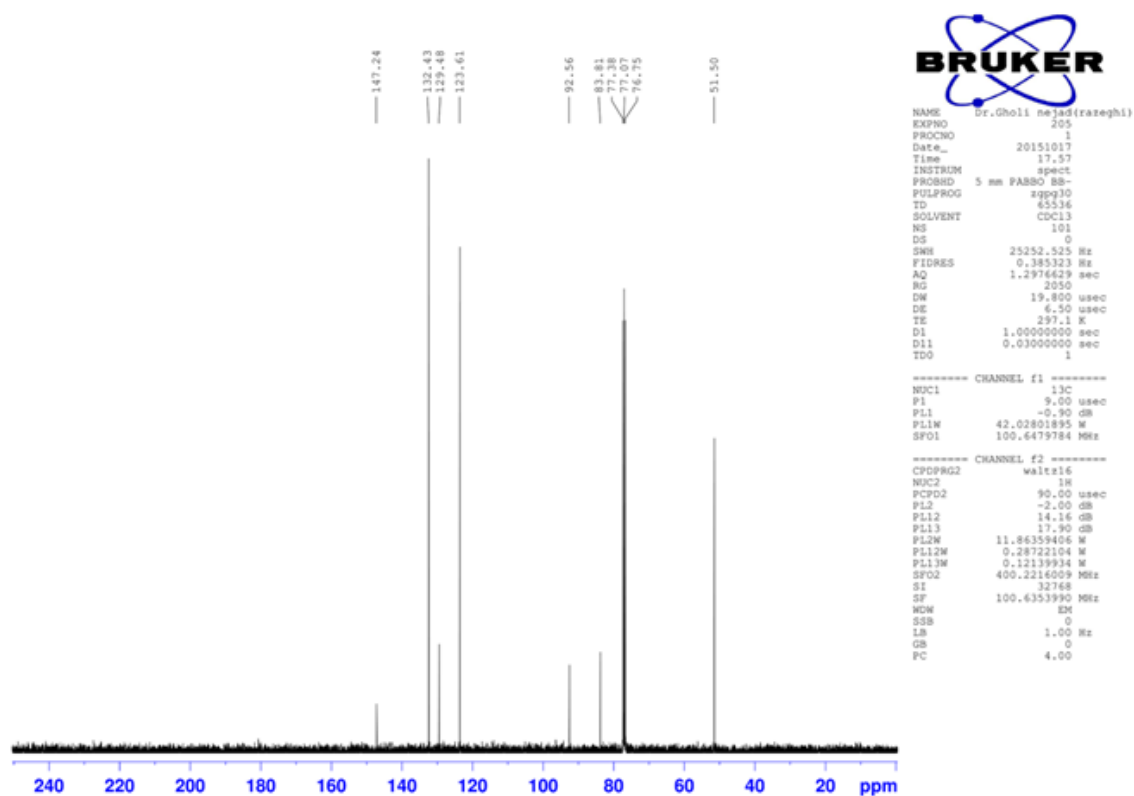


Figure S10. ¹³C NMR of 3-(4-nitrophenyl)prop-2-yn-1-ol