**Additional file 1**

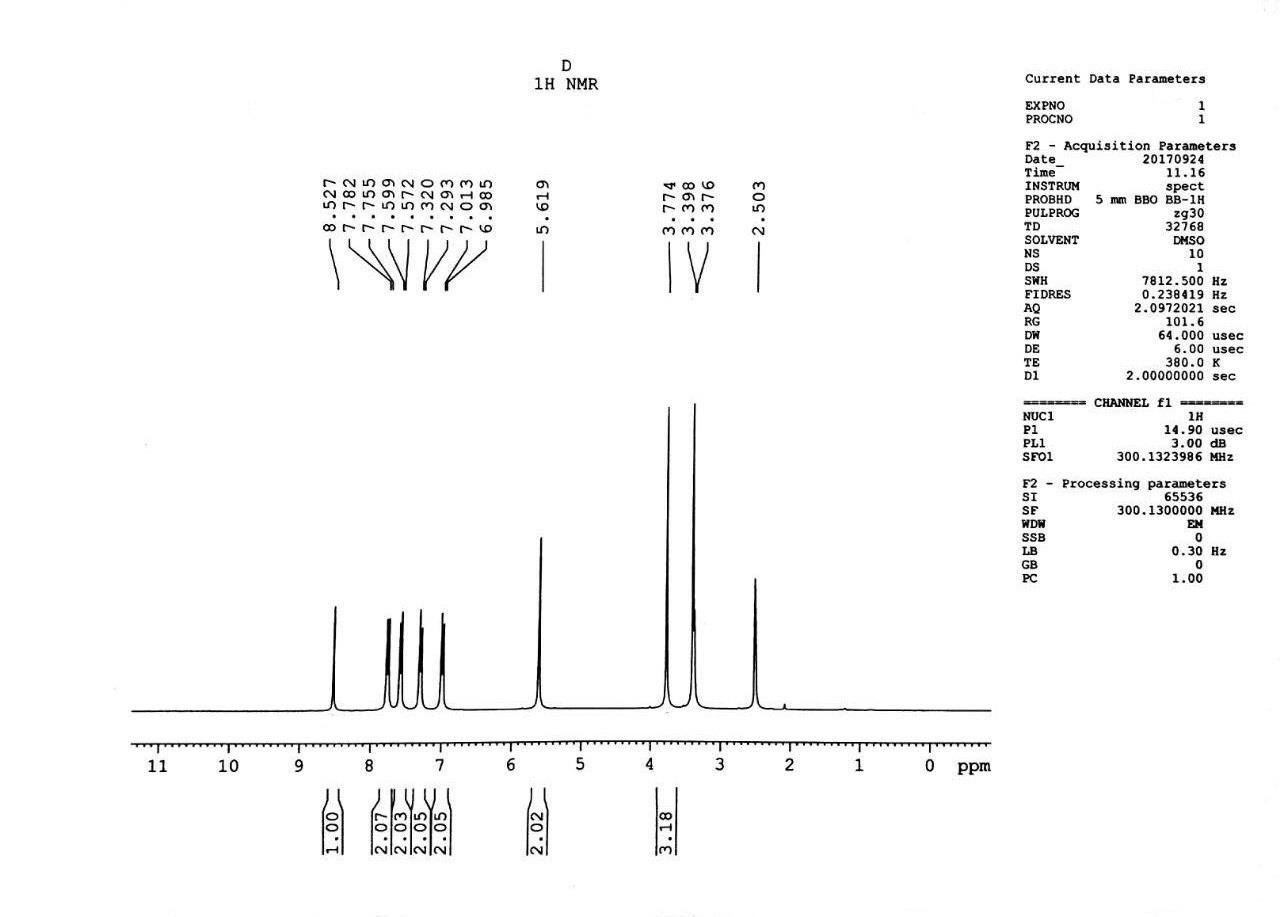
Synthesis of New Magnetic Hybrid Materials Fe2O3@Sh@Cu2O Based on Natural Shilajit Resin and their Performance as Heterogeneous Catalyst in Reducing Agent and Base-Free Click Synthesis of 1,4-disubstituted 1,2,3-Triazoles

*Fereshteh Norouzi*1, *Shahrzad Javanshir*1\*

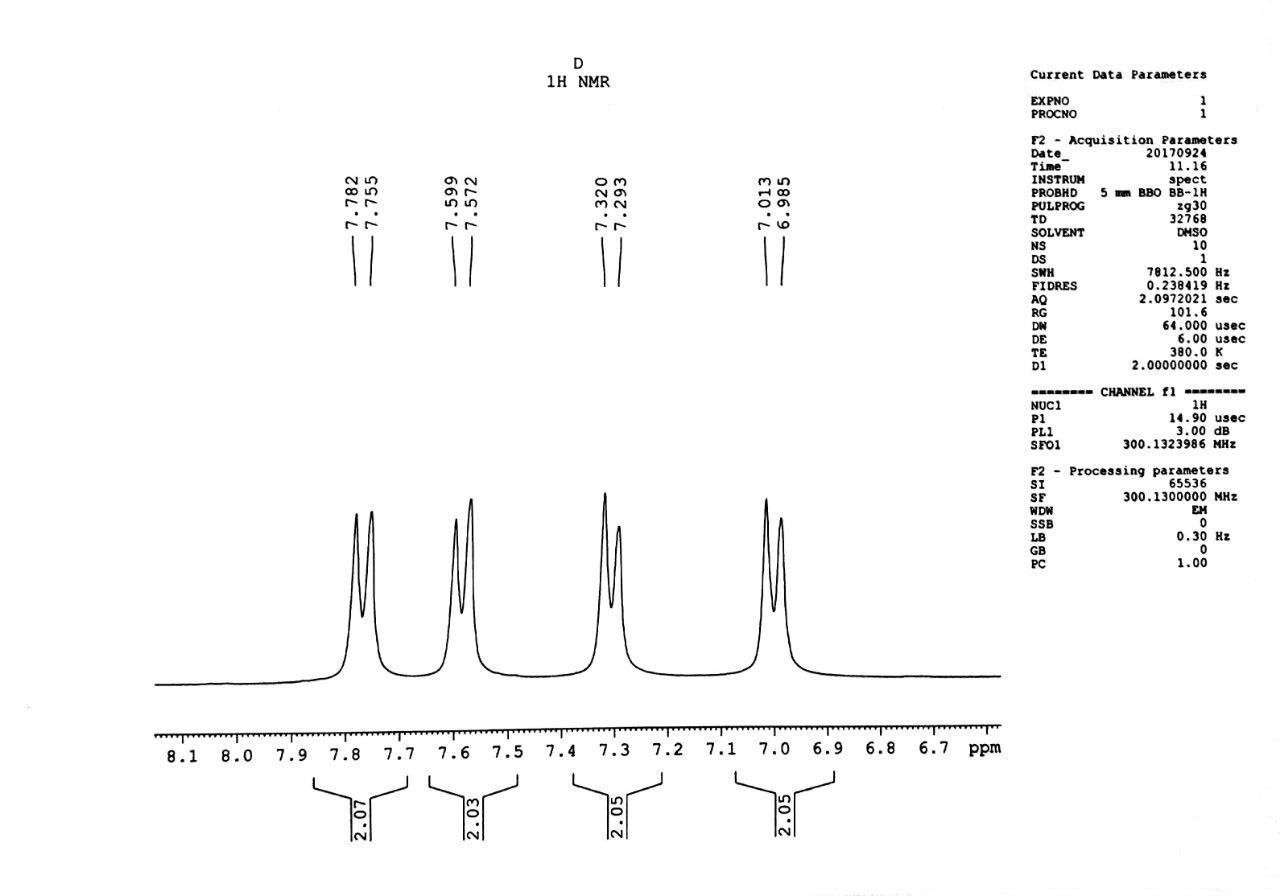
\*[Shjavan@iust.ac.ir](mailto:Shjavan@iust.ac.ir)

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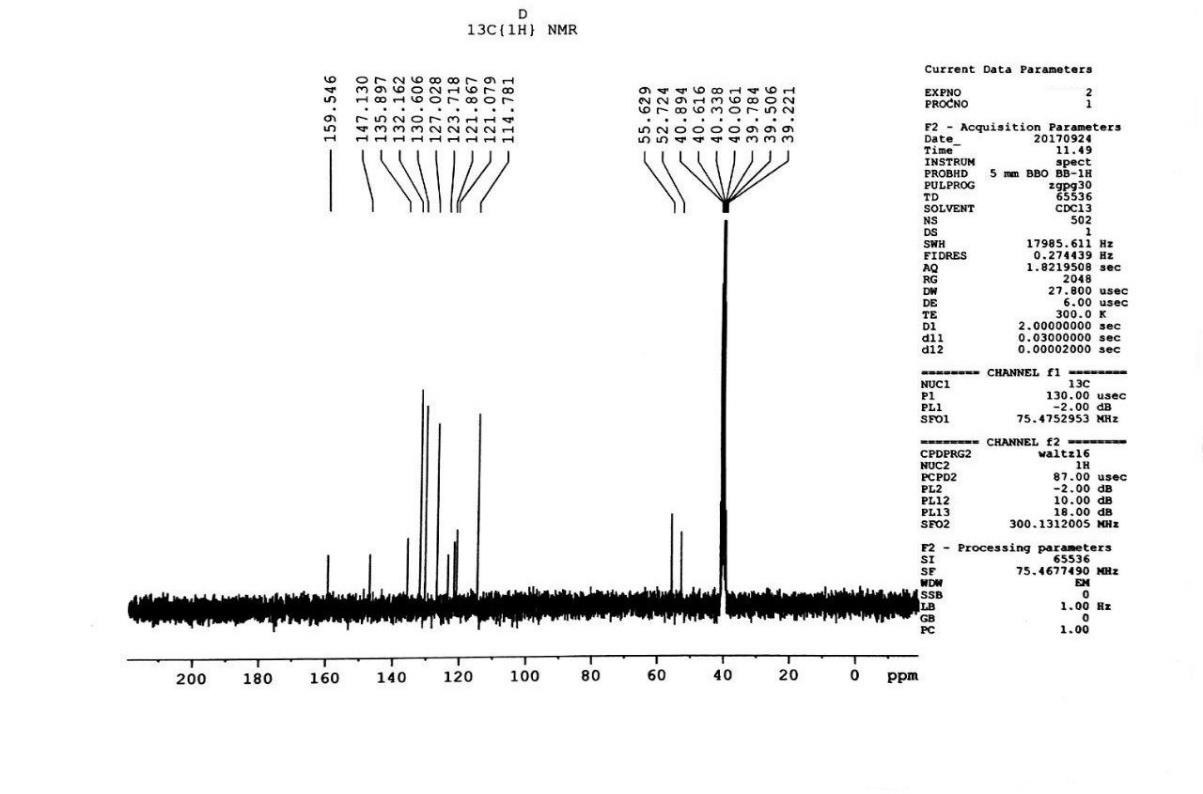
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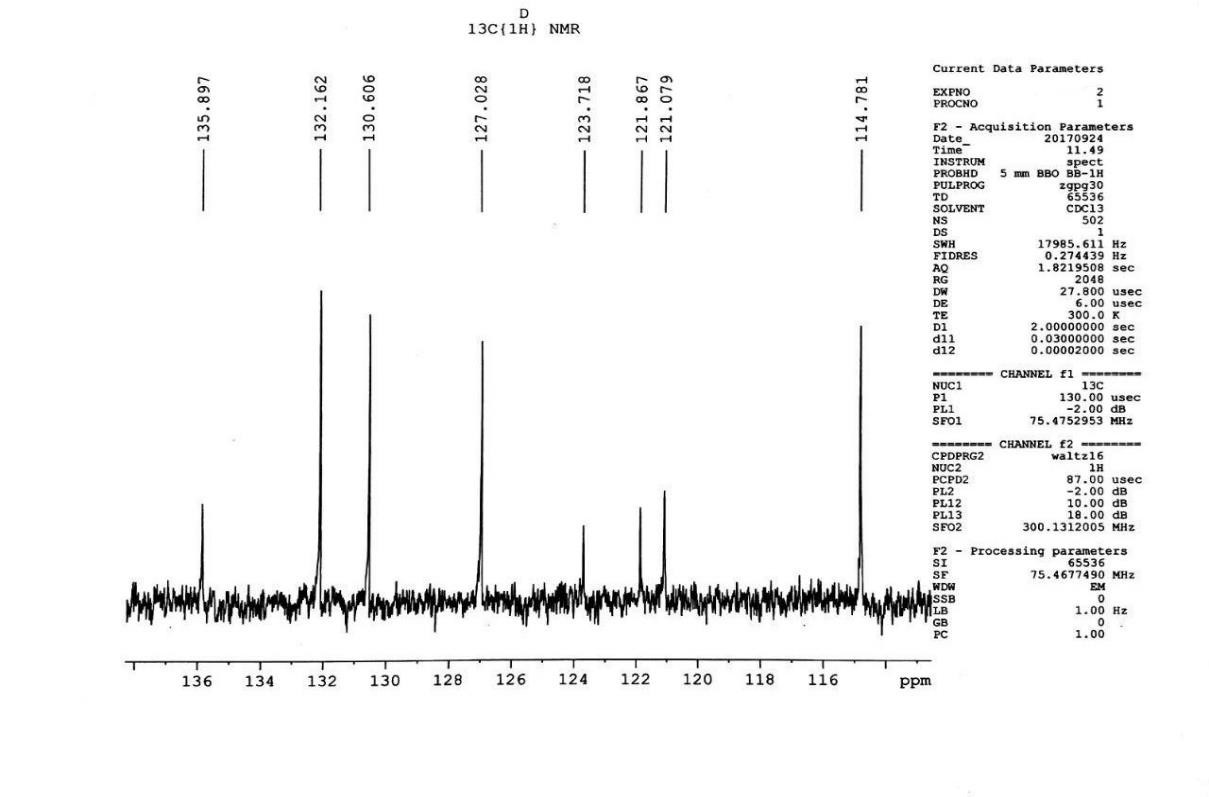
**Fig. S1.** 1HNMR of 1-(4-bromobenzyl)-4-(4-methoxyphenyl)-1,2,3-triazole



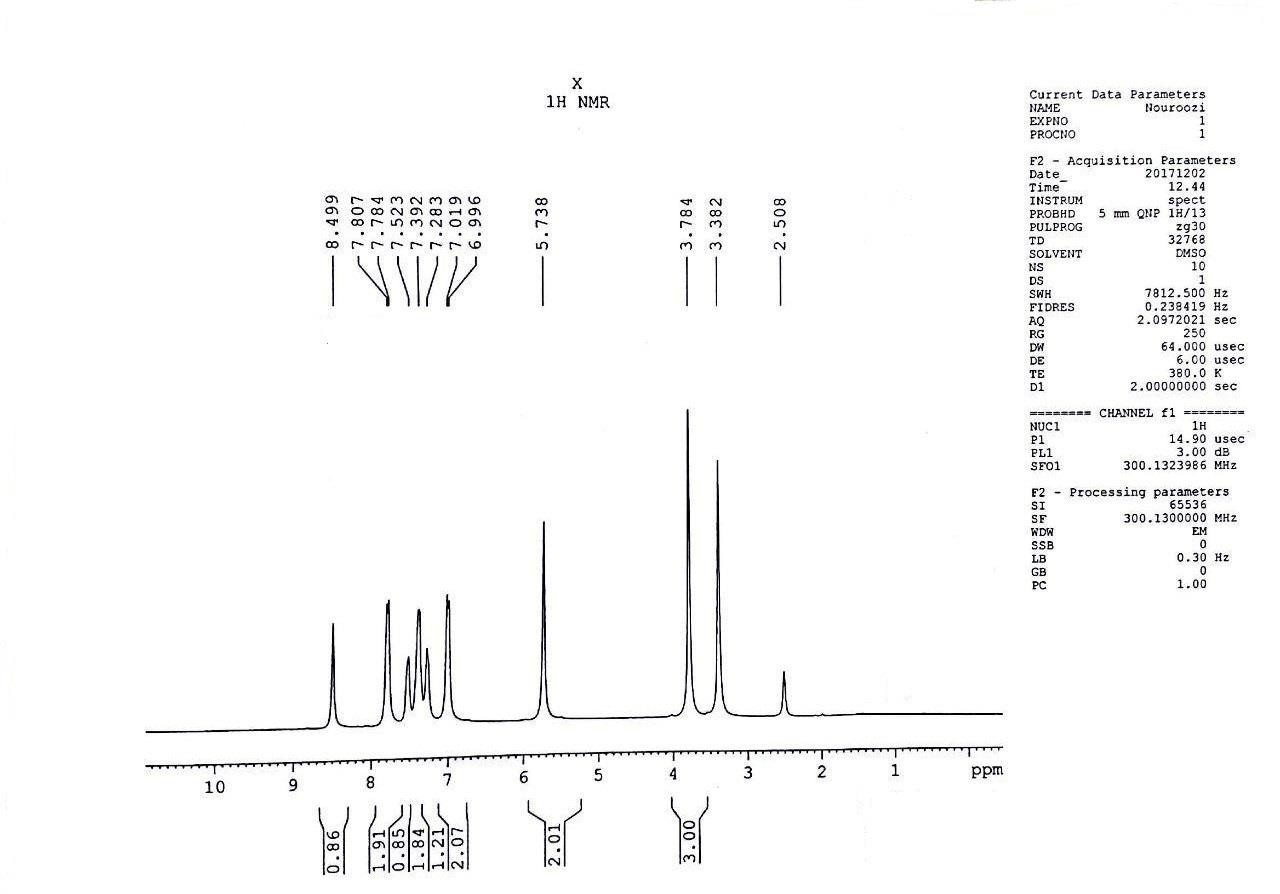
**Fig. S2.** Expanded 1HNMR spectra of 1-(4-bromobenzyl)-4-(4-methoxyphenyl)-1,2,3-triazole (aromatic region)



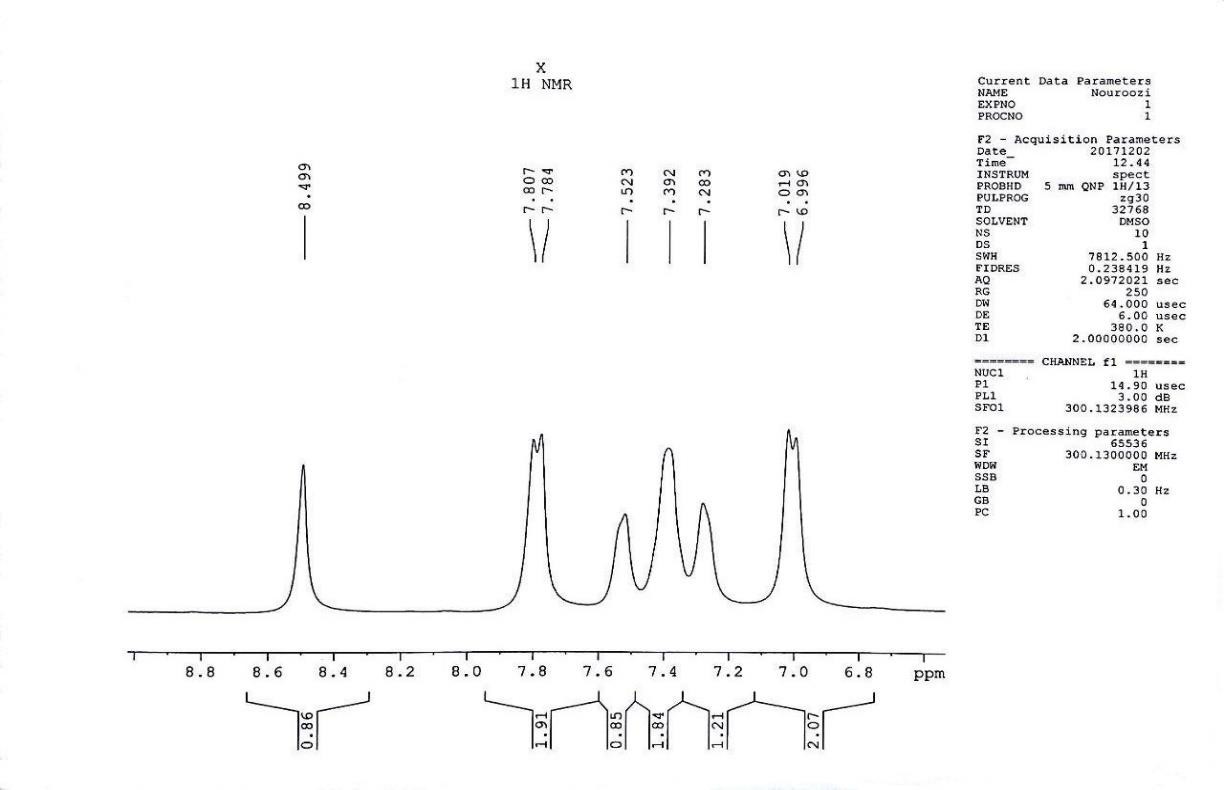
**Fig. S3.** 13CNMR of 1-(4-bromobenzyl)-4-(4-methoxyphenyl)-1,2,3-triazole



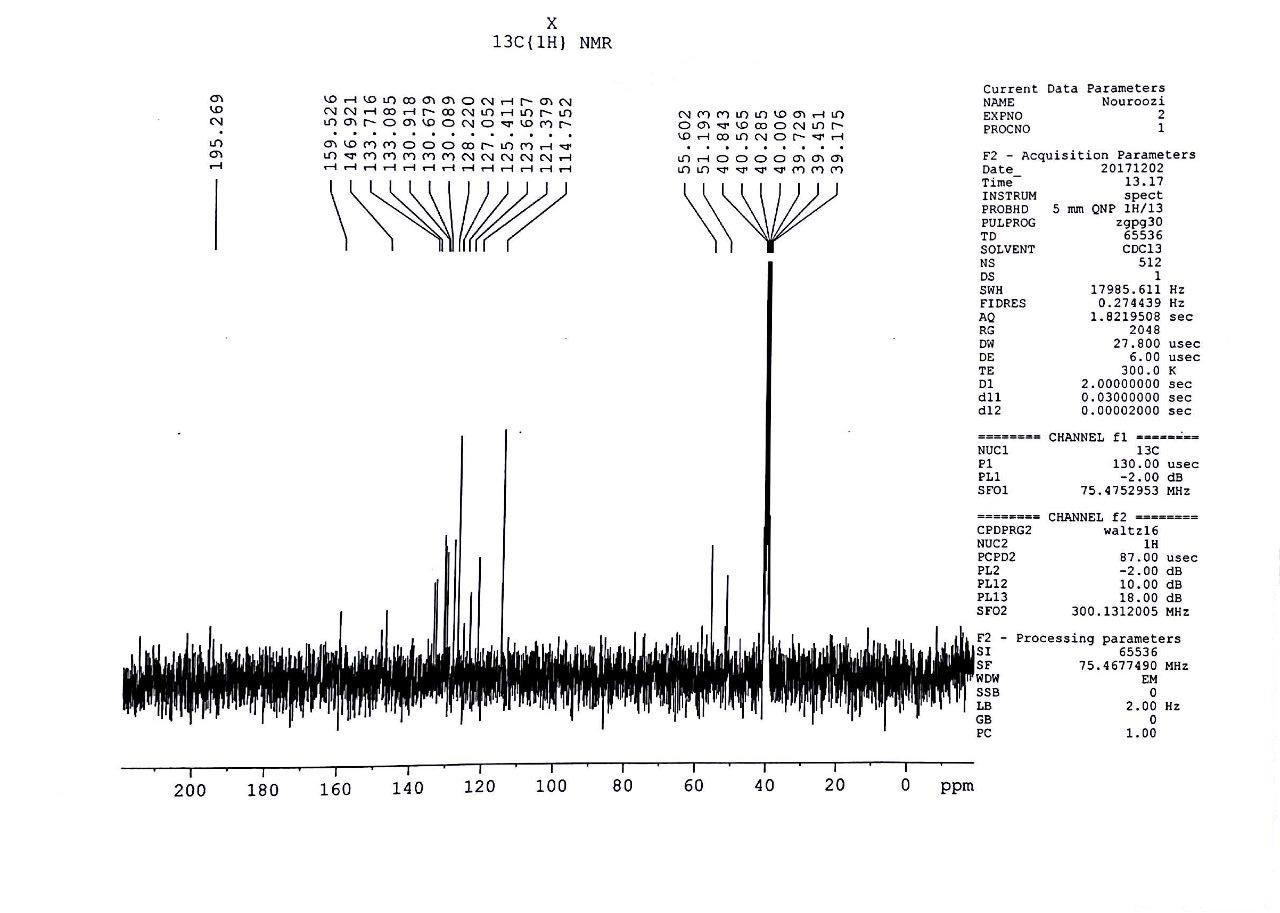
**Fig. S4.** 13CNMR of 1-(4-bromobenzyl)-4-(4-methoxyphenyl)-1,2,3-triazole



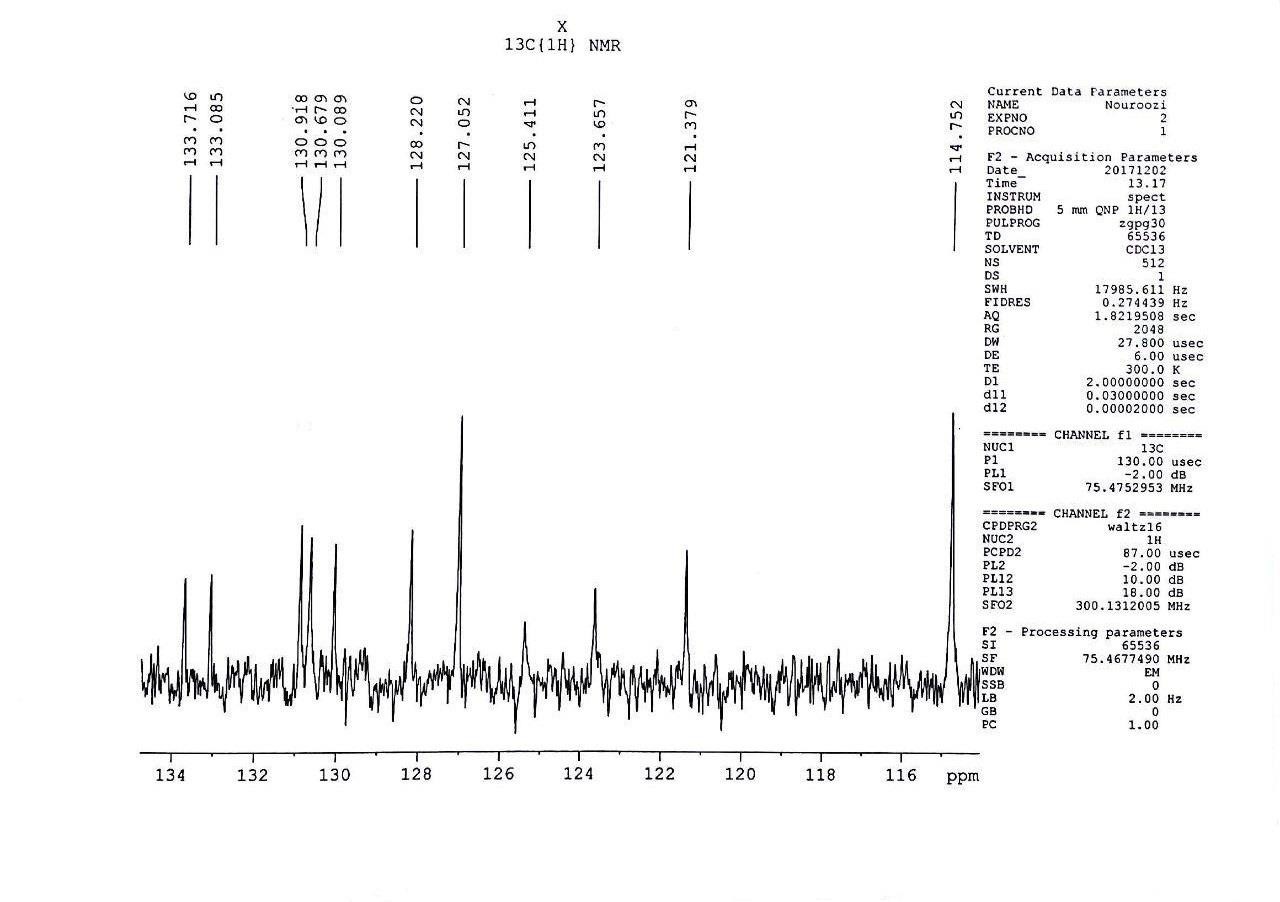
**Fig. S5.**1HNMR of 1-(2-chlorobenzyl)-4-(4-methoxyphenyl)-1H-1,2,3-triazole



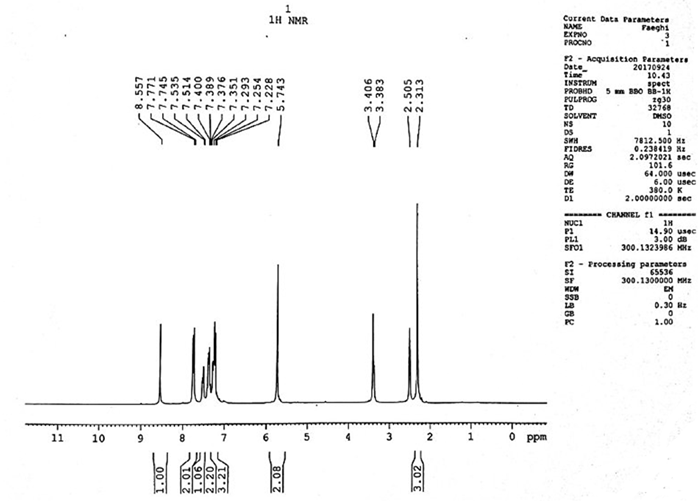
**Fig. S6.**Expanded 1HNMR spectra of 1-(2-chlorobenzyl)-4-(4-methoxyphenyl)-1H-1,2,3-triazole (aromatic region)



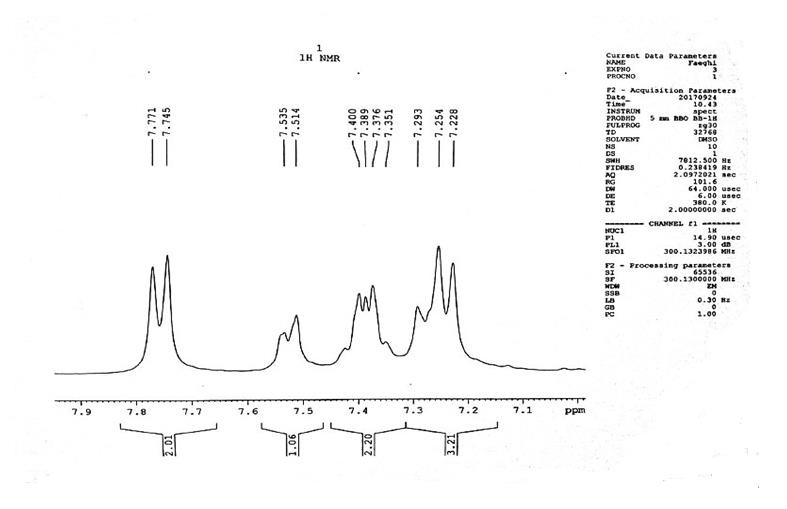
**Fig. S7.** 13CNMR of 1-(2-chlorobenzyl)-4-(4-methoxyphenyl)-1H-1,2,3-triazole



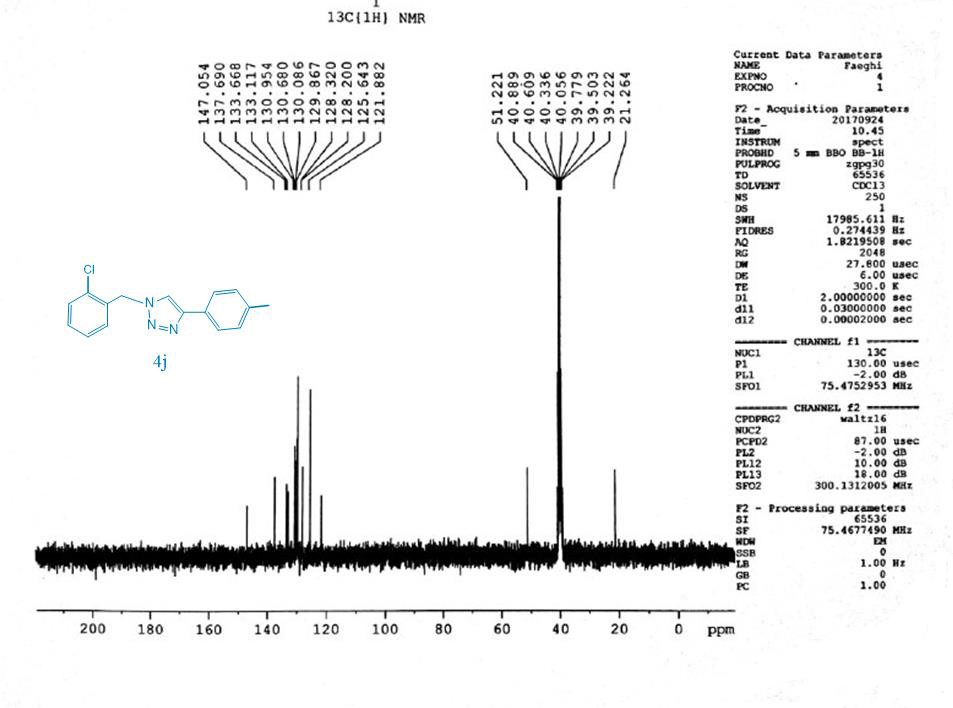
**Fig. S8.** Expanded 13CNMR spectra of 1-(2-chlorobenzyl)-4-(4-methoxyphenyl)-1H-1,2,3-triazole.



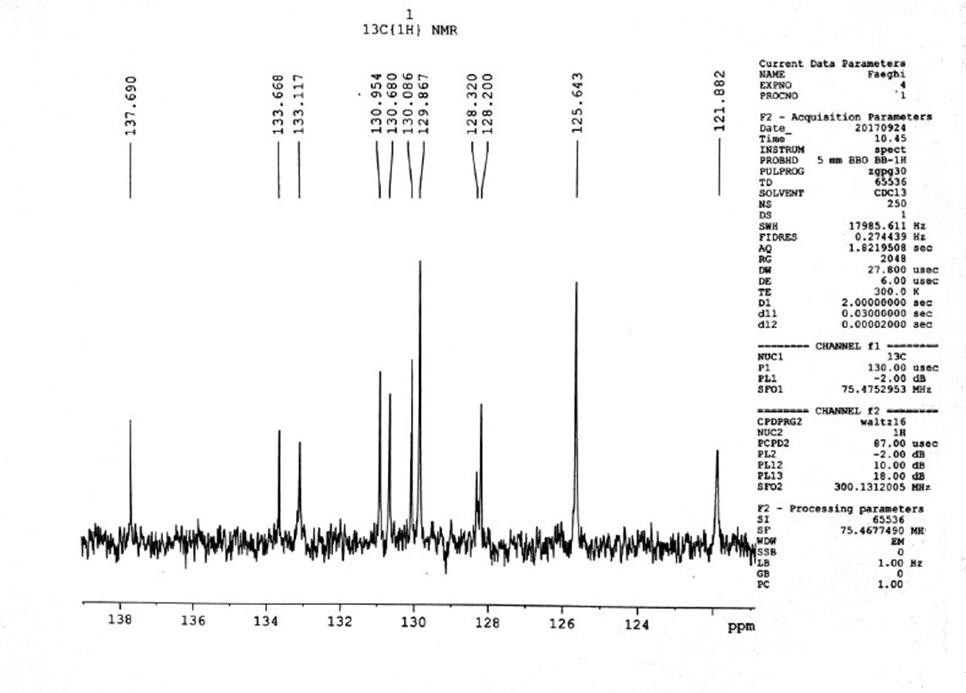
**Fig. S9.** 1HNMR of 1-(2-chlorobenzyl)-4-(4-p-tolyl)-1H-1,2,3-triazole



**Fig. S10.** Expanded 1HNMR spectra of 1-(2-chlorobenzyl)-4-(p-tolyl)-1H-1,2,3-triazole (aromatic region)



**Fig. S11.** 13CNMR of 1-(2-chlorobenzyl)-4-(p-tolyl)-1H-1,2,3-triazole



**Fig. S12.** Expanded 13CNMR spectra of 1-(2-chlorobenzyl)-4-(p-tolyl)-1H-1,2,3-triazole