

Polycarbonate Based Biodegradable Copolymers for Stimuli Responsive Targeted Drug delivery

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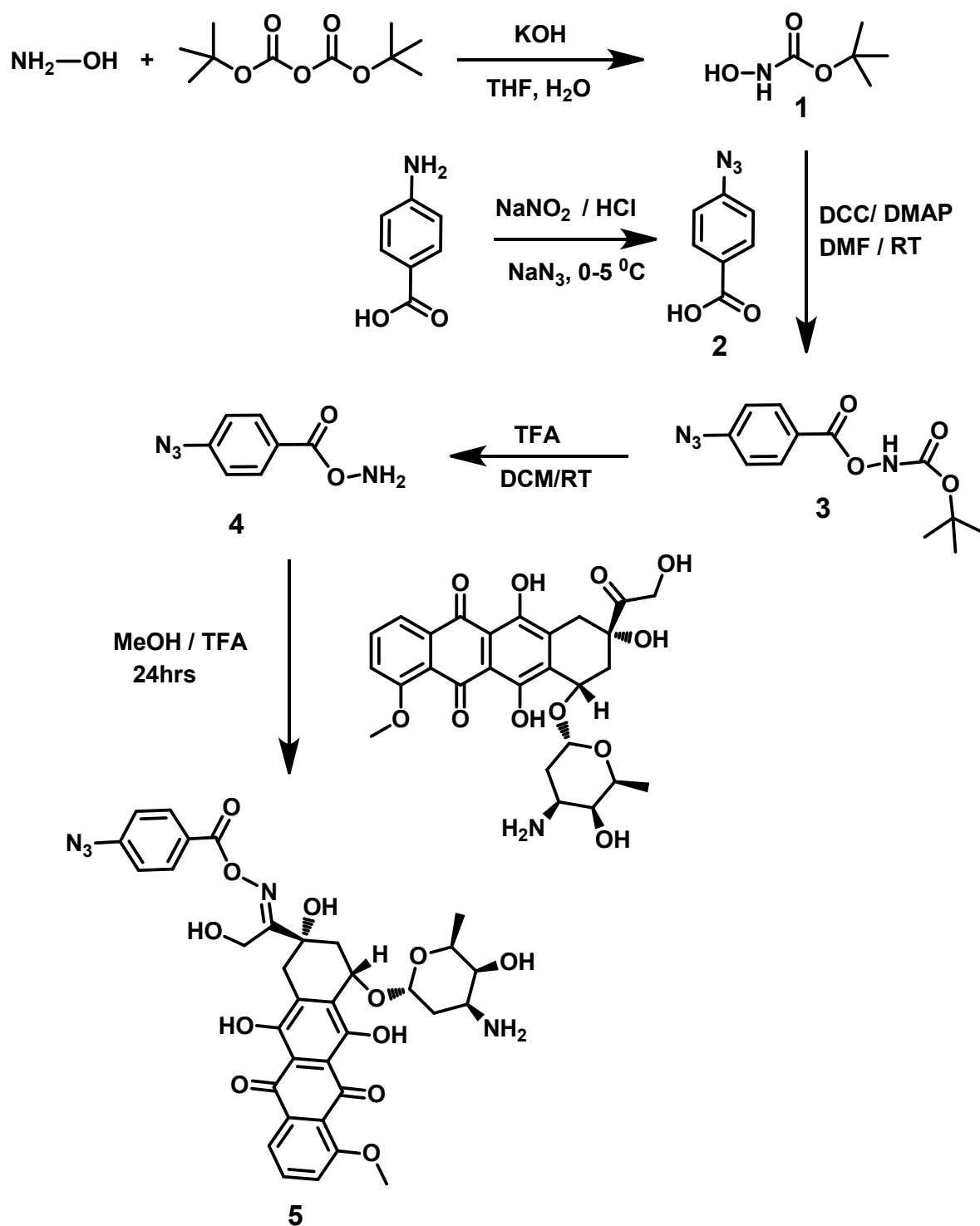
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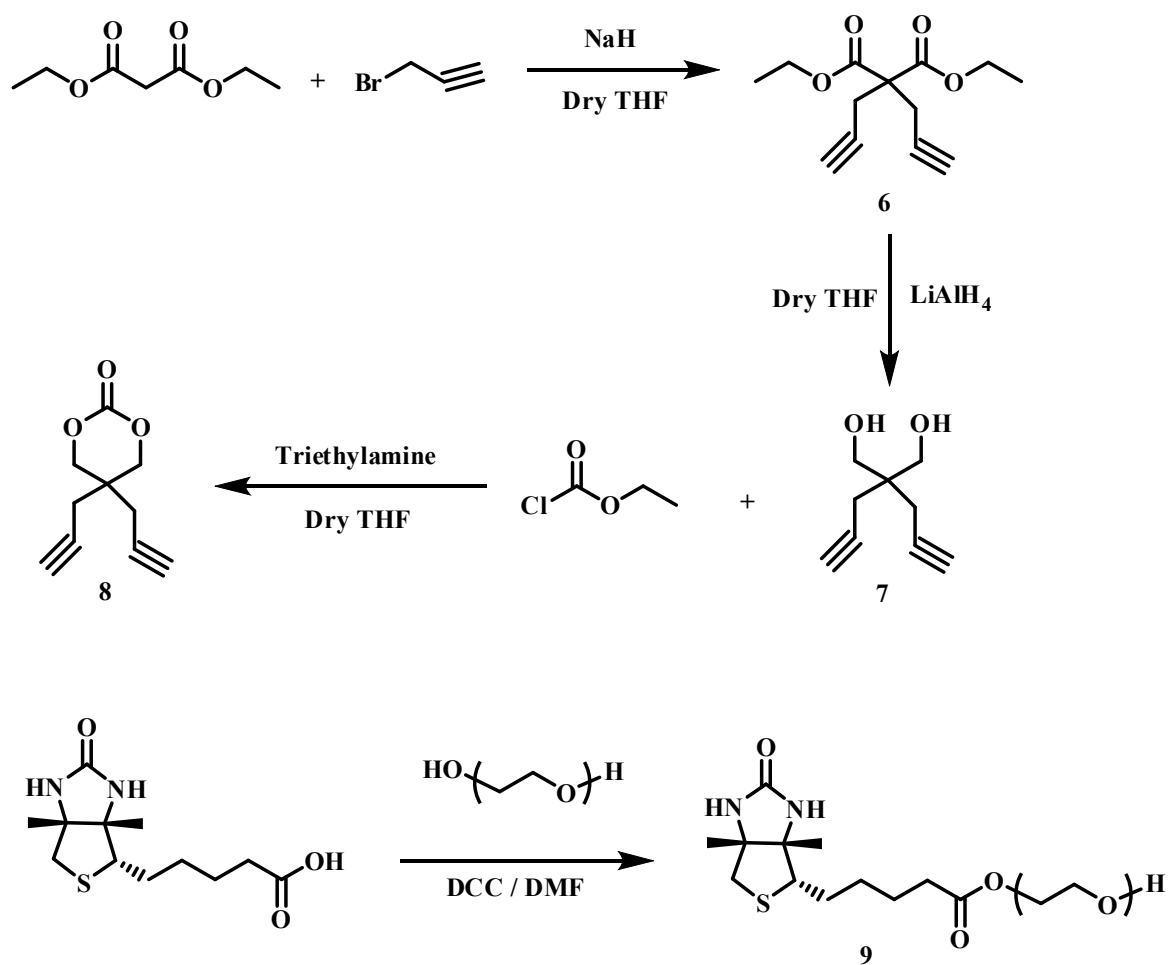
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Scheme S1: Synthesis of compound 1-5.



Scheme S2: Synthesis of compound 6-9.

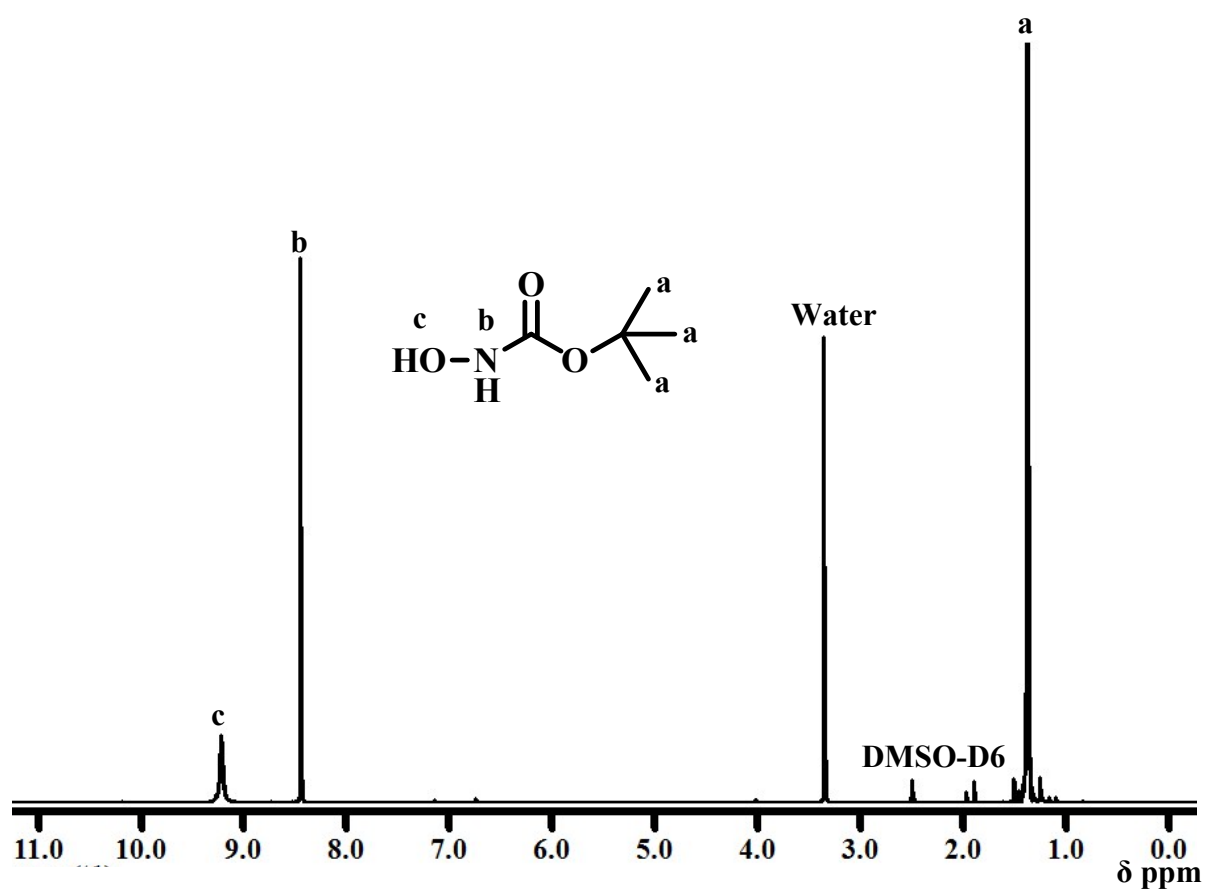


Figure S1: ^1H -NMR spectrum of compound **1** in DMSO-d_6 .

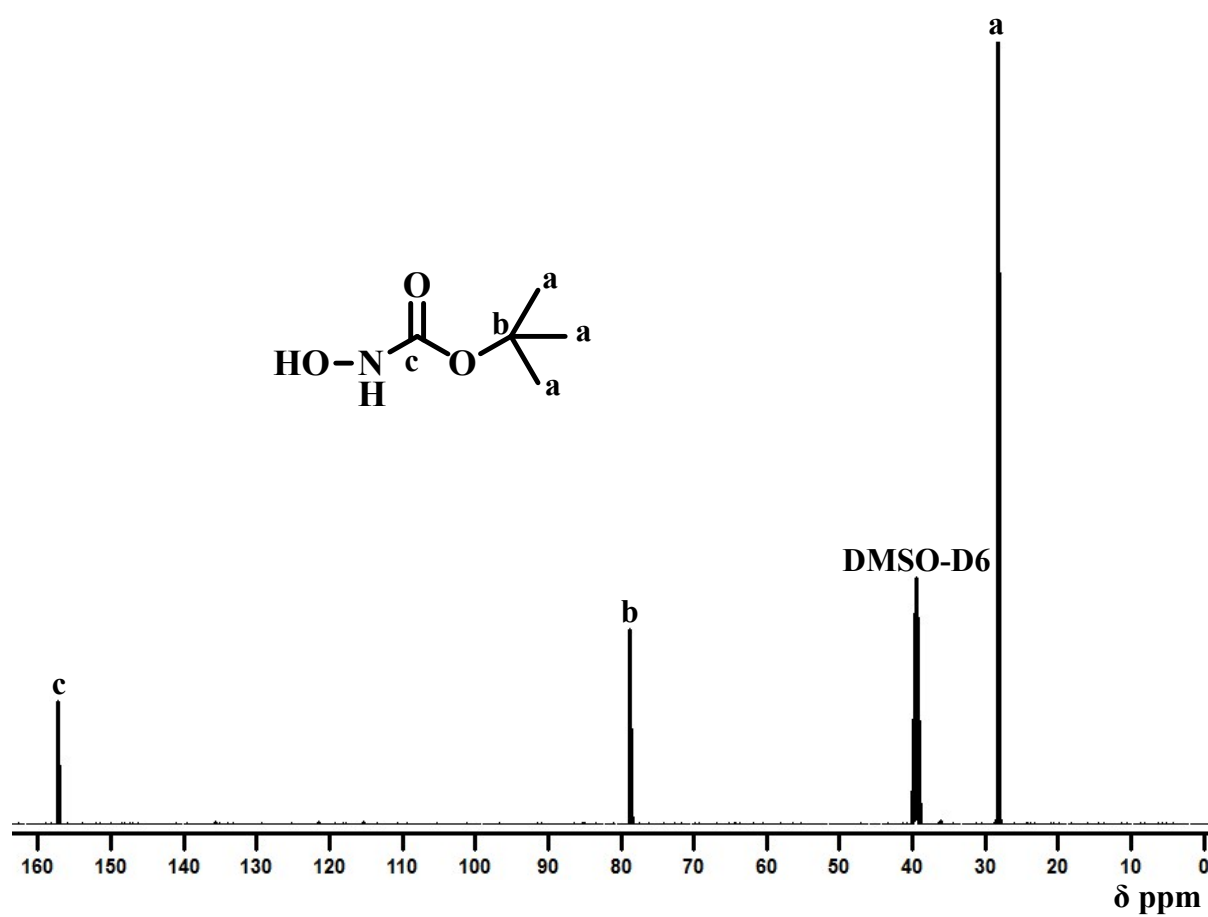


Figure S2: ^{13}C -NMR spectrum of compound 1 in DMSO-d_6 .

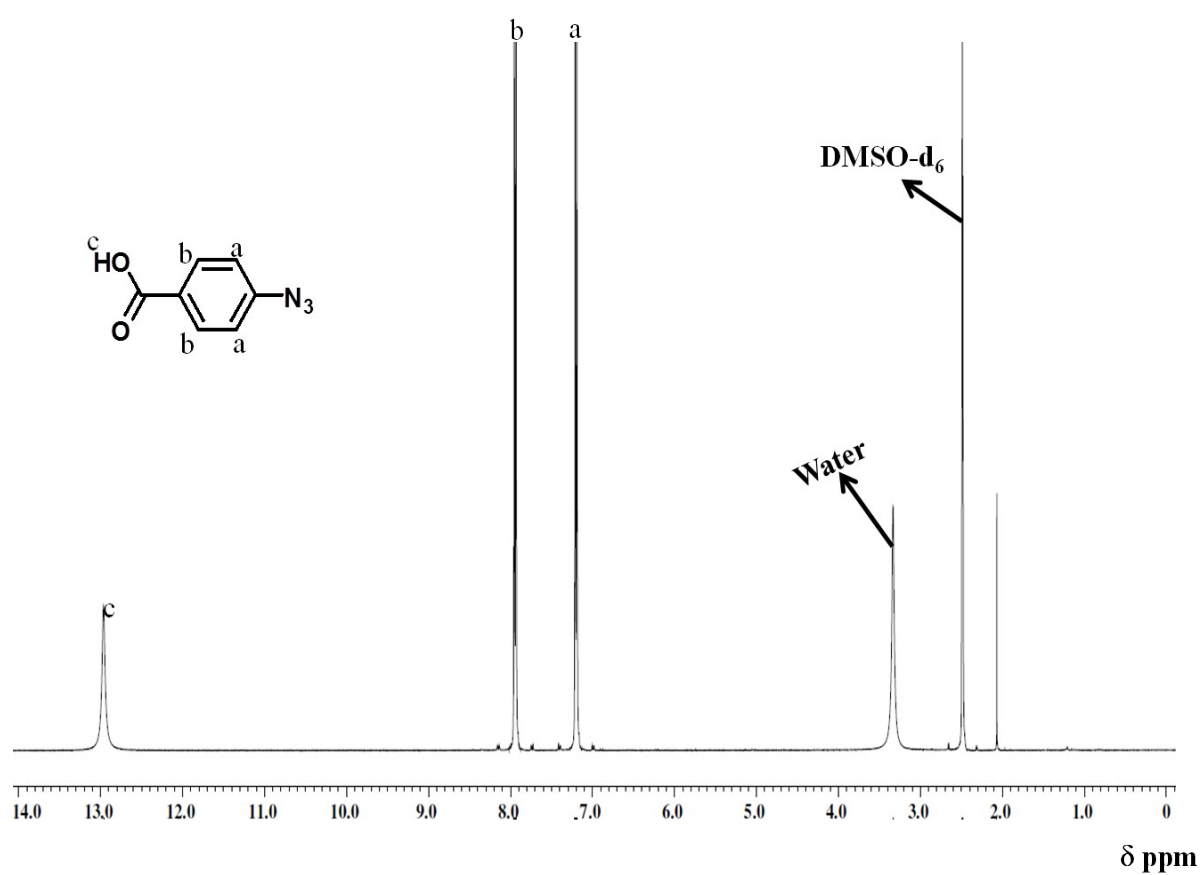


Figure S3: ^1H -NMR spectrum of compound **2** in DMSO-d_6 .

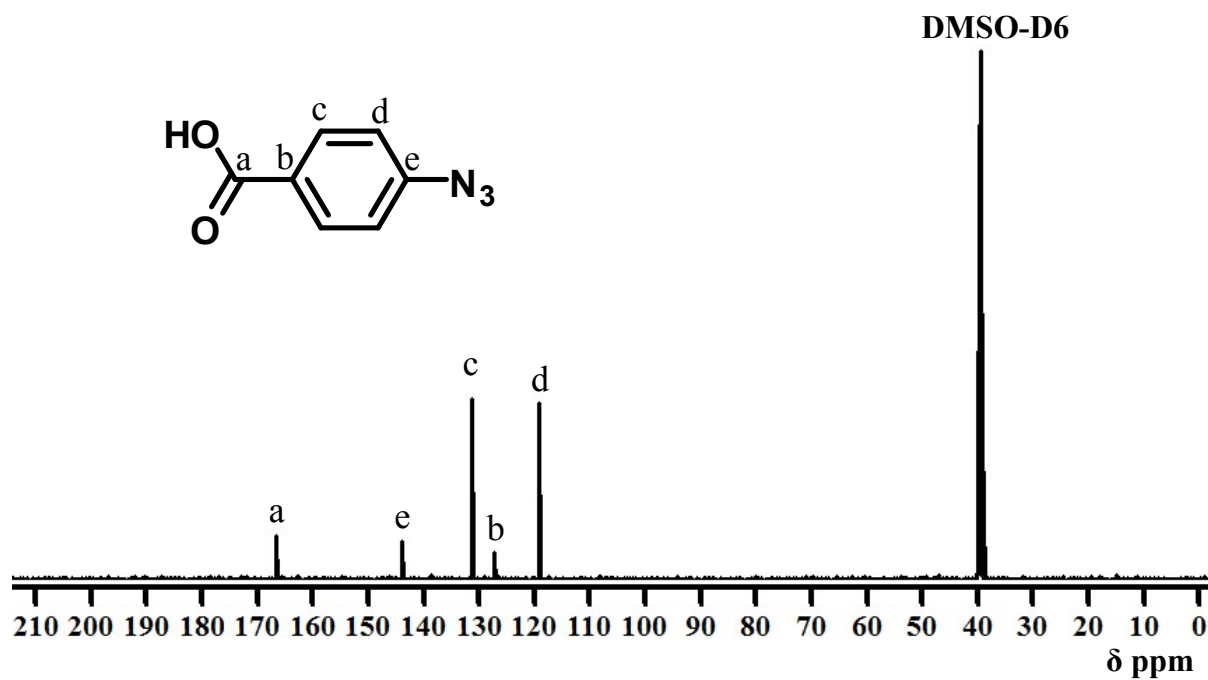


Figure S4: ^{13}C -NMR spectrum of compound 2 in DMSO- d_6 .

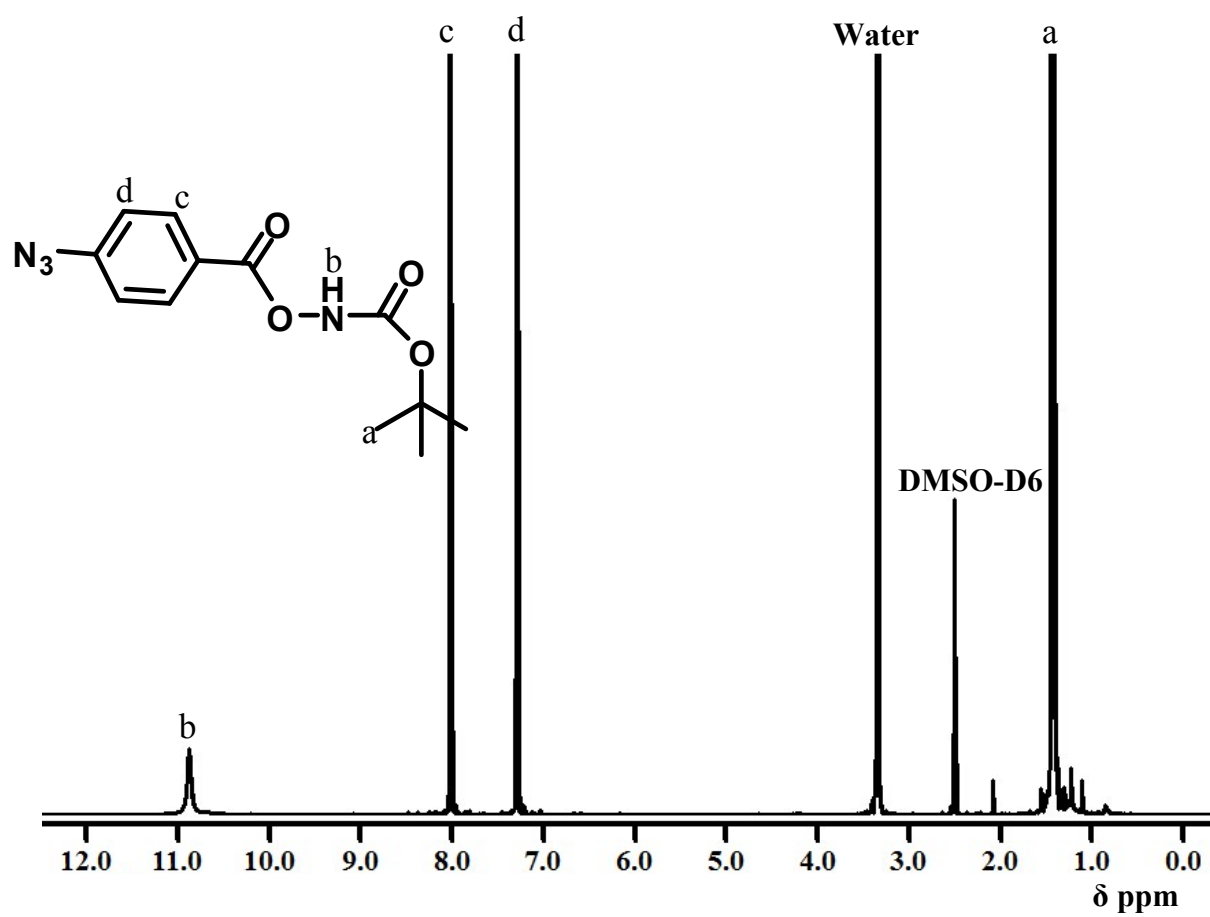


Figure S5: ^1H -NMR spectrum of compound **3** in DMSO-d_6 .

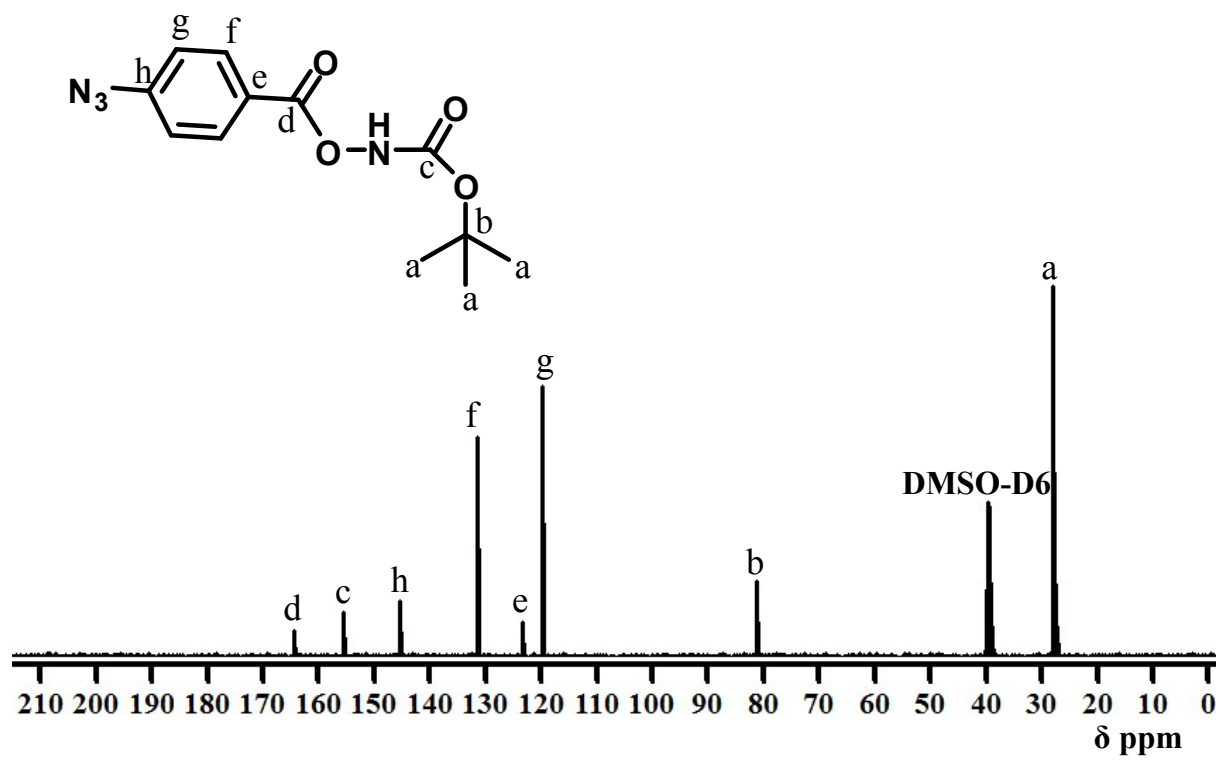


Figure S6: ^{13}C -NMR spectrum of compound **3** in DMSO-d_6 .

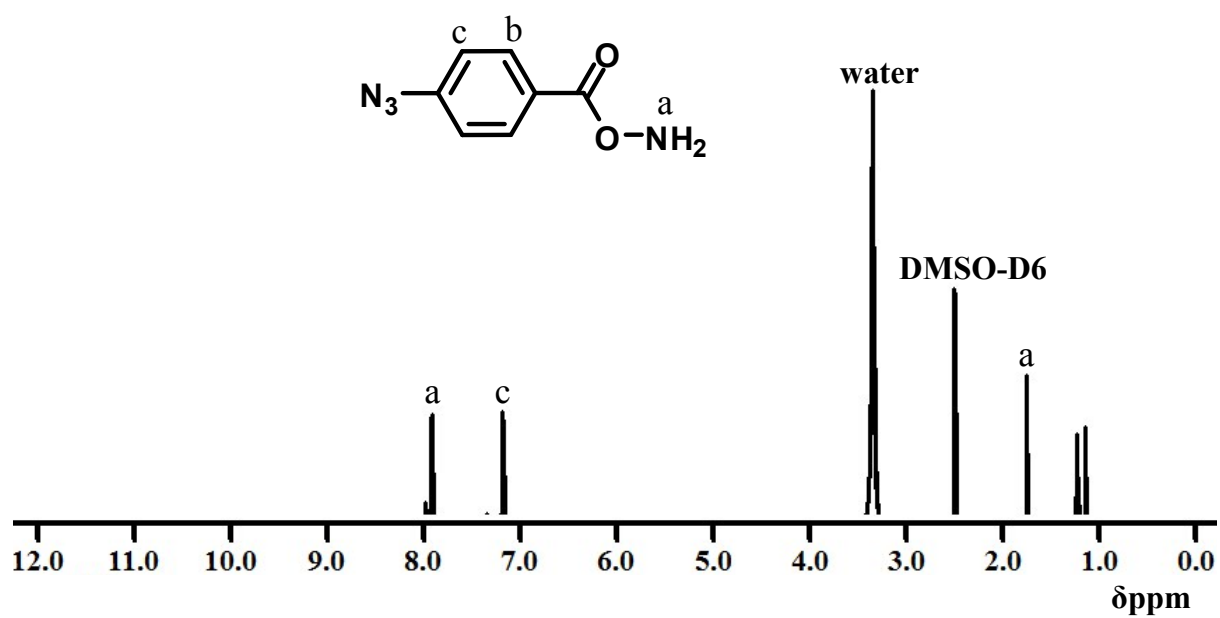


Figure S7: ¹H-NMR spectrum of compound 4 in DMSO-d₆.

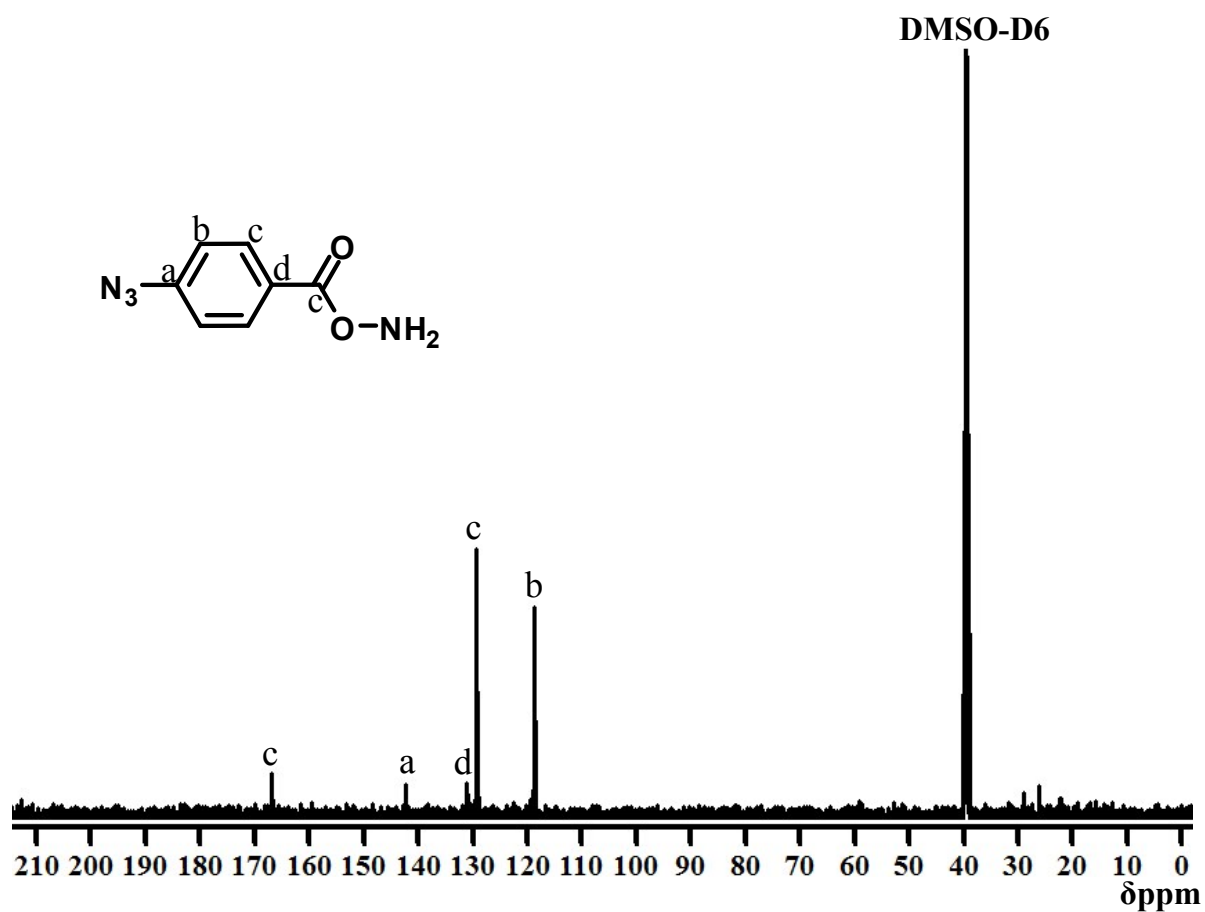


Figure S8: ^{13}C -NMR spectrum of compound 4 in $\text{DMSO}-d_6$.

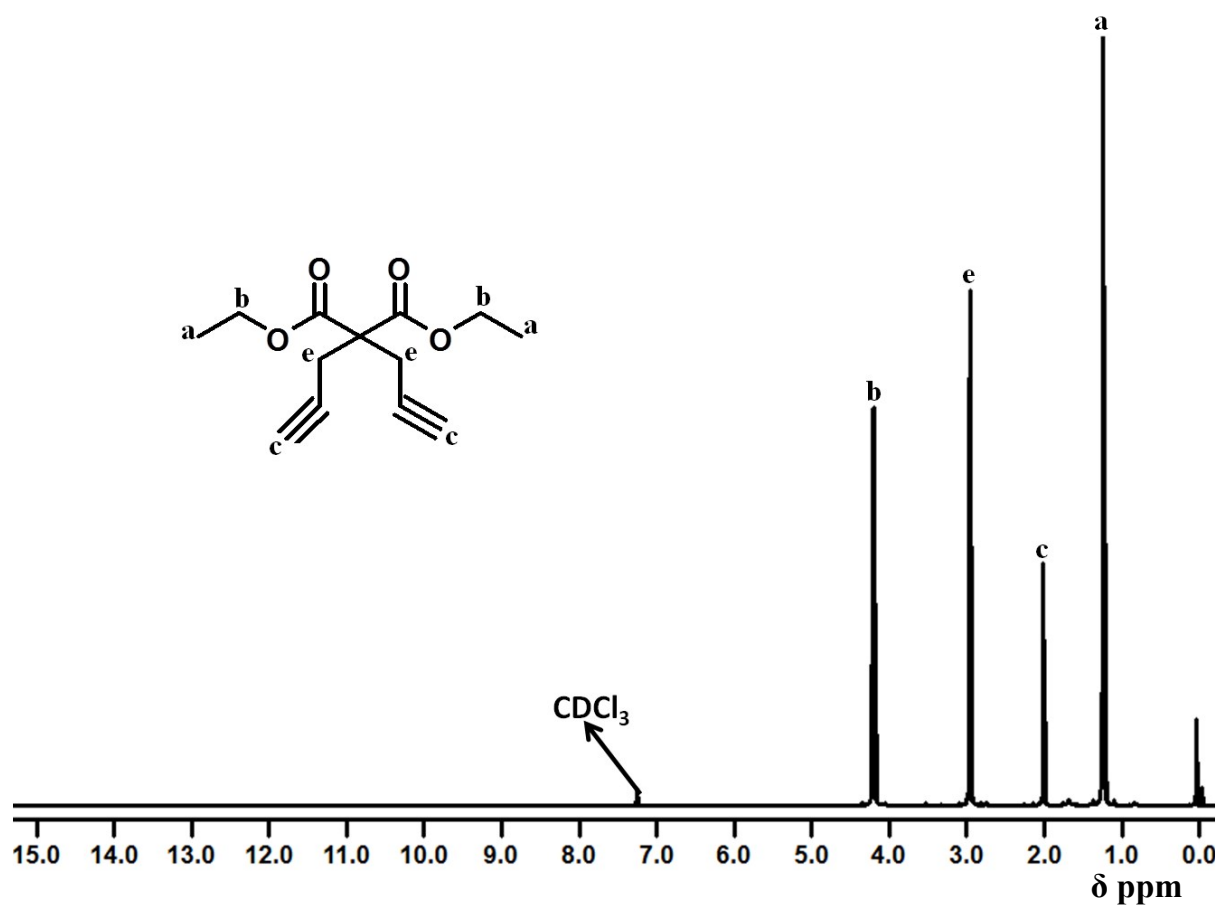


Figure S9: ^1H -NMR spectrum of compound **6** in CDCl_3 .

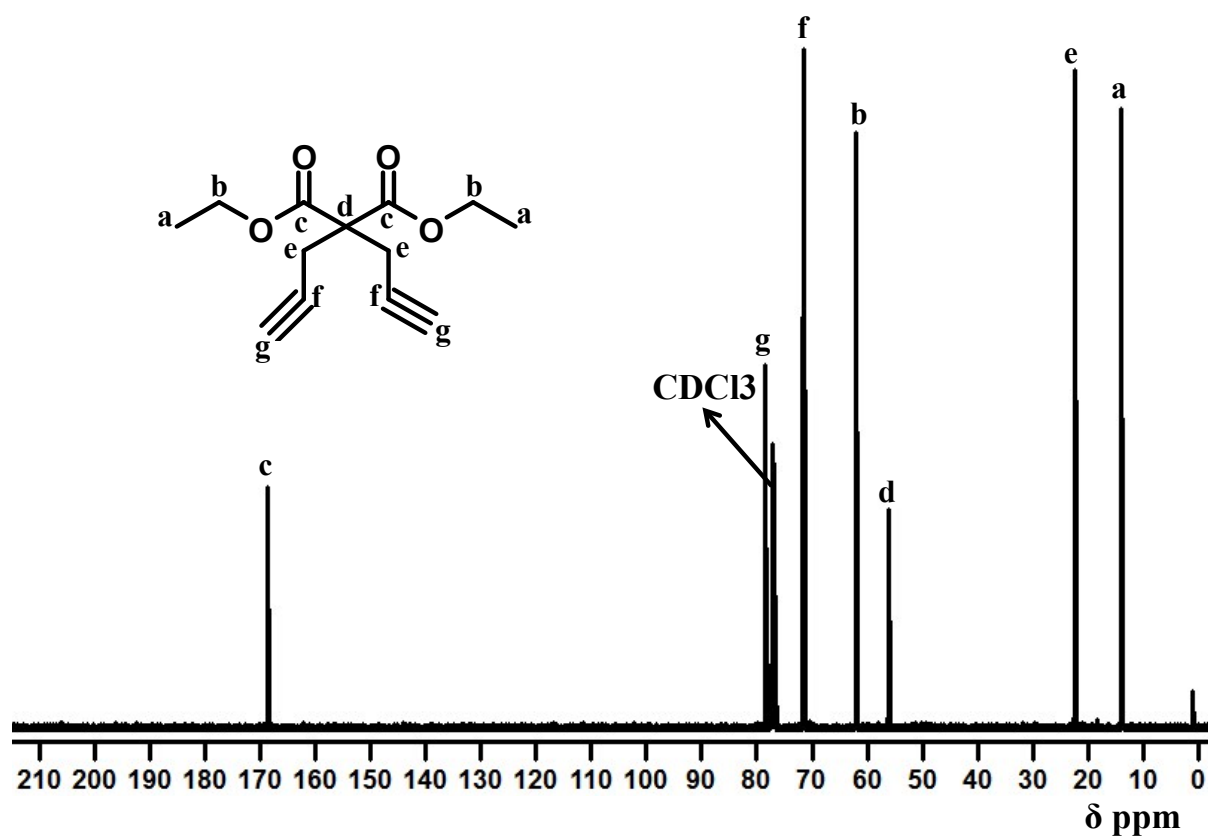


Figure S10: ^{13}C -NMR spectrum of compound **6** in CDCl_3 .

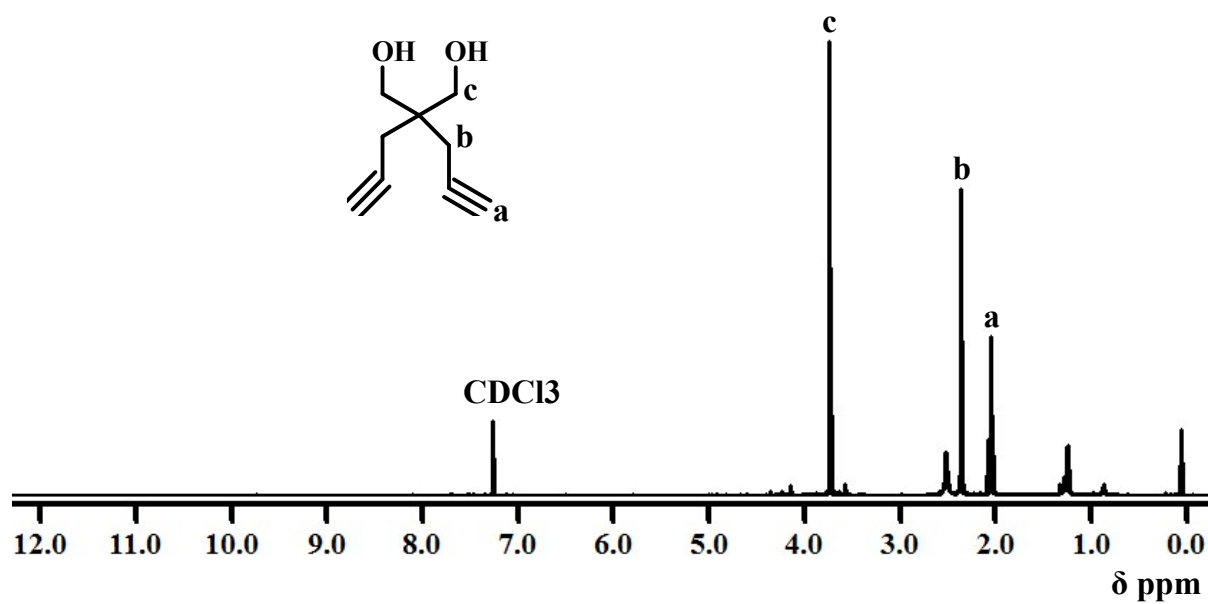


Figure S11: ¹H-NMR spectrum of compound 7 in CDCl₃.

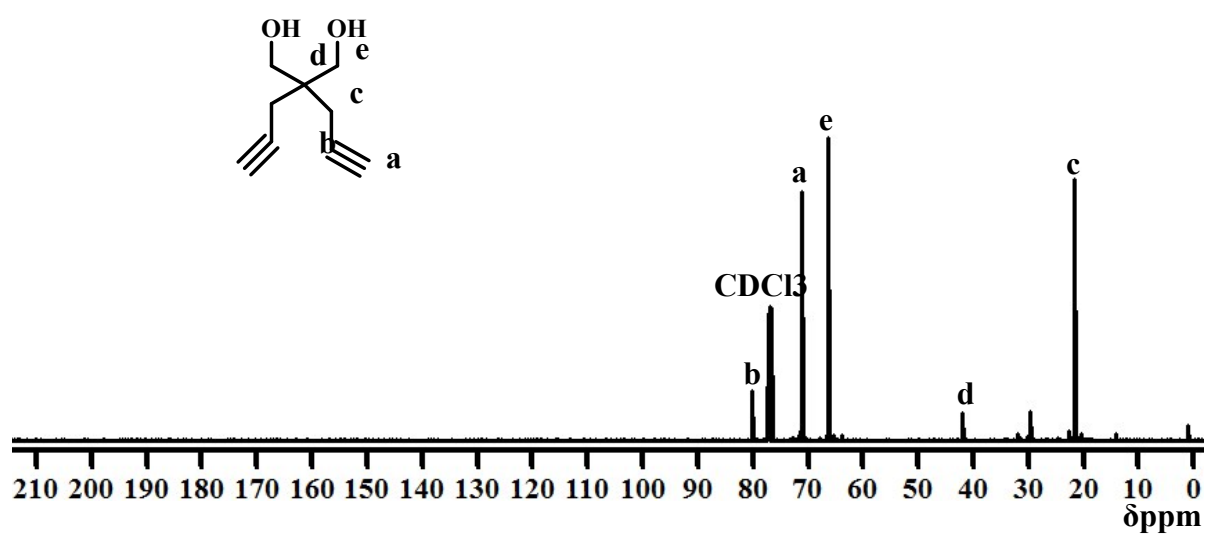


Figure S12: ^{13}C -NMR spectrum of compound 7 in CDCl_3 .

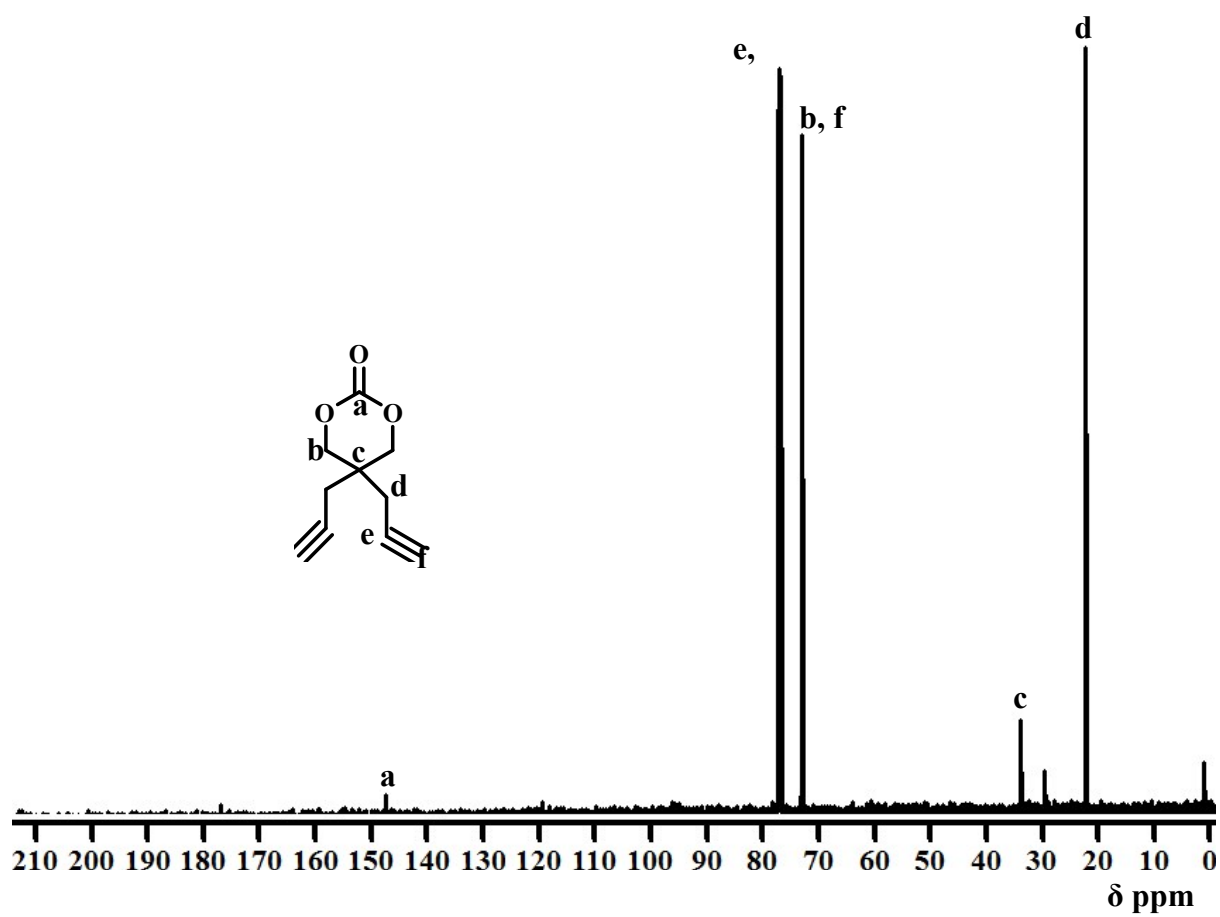


Figure S13: ^{13}C -NMR spectrum of compound **8** in CDCl_3 .

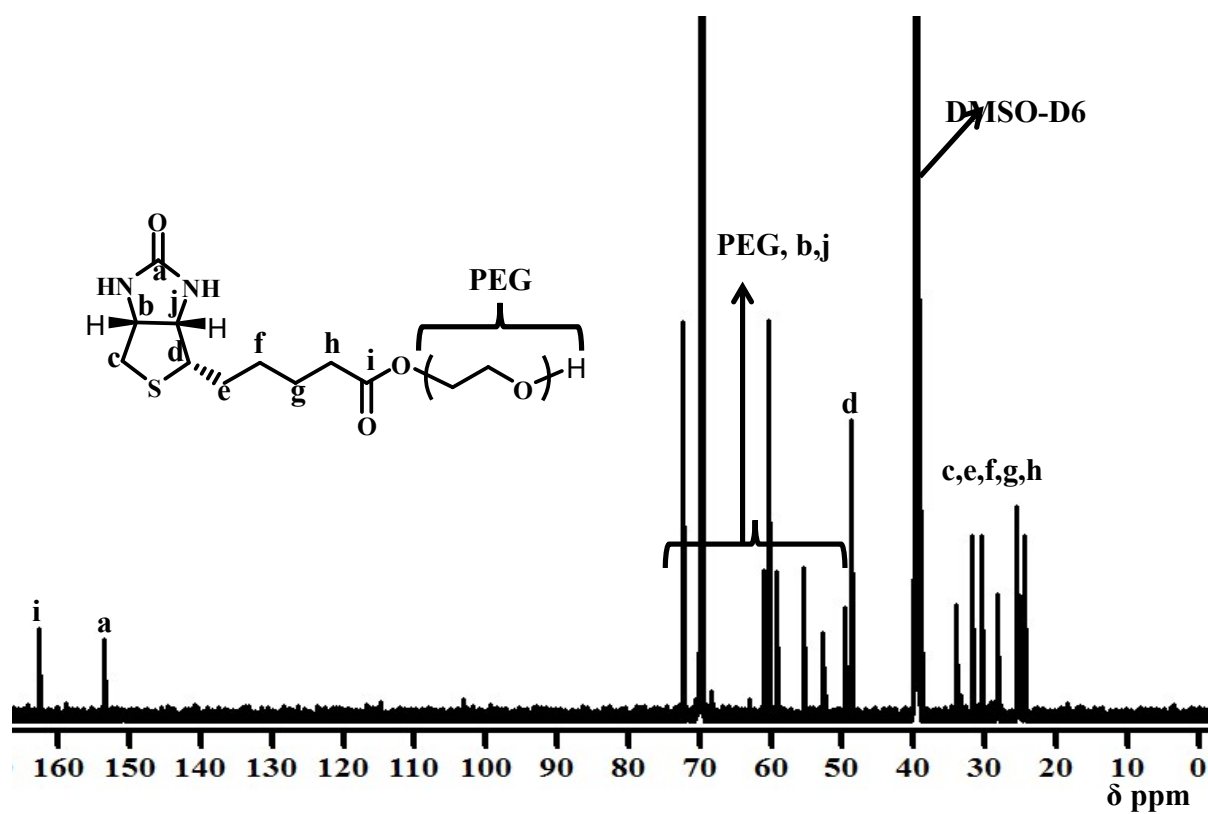


Figure S14: ^{13}C -NMR spectrum of compound **9** in DMSO- d_6 .

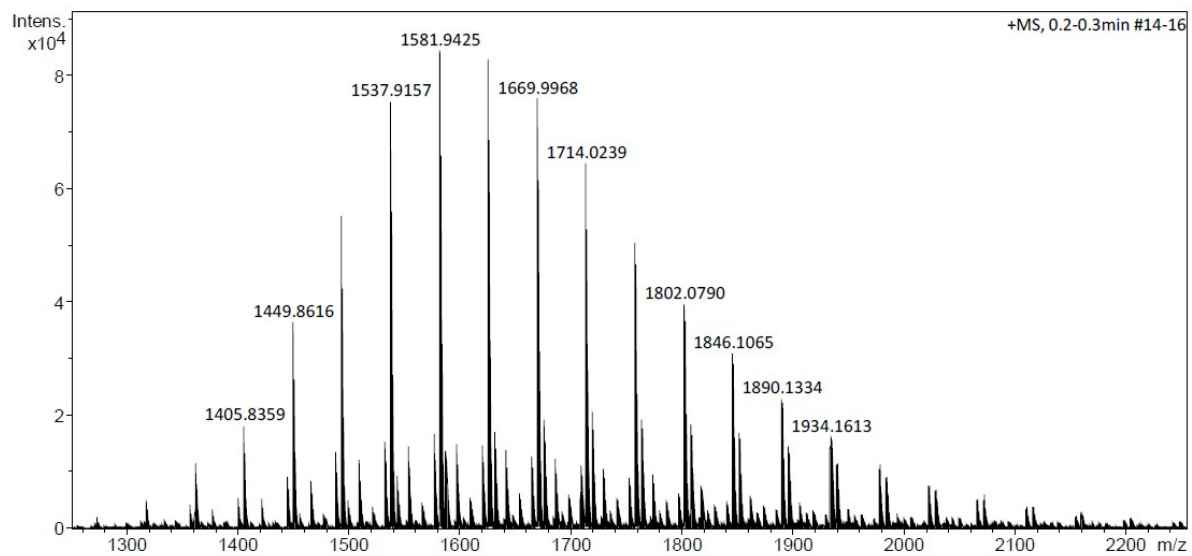


Figure S15: Mass spectrum of compound **9**.

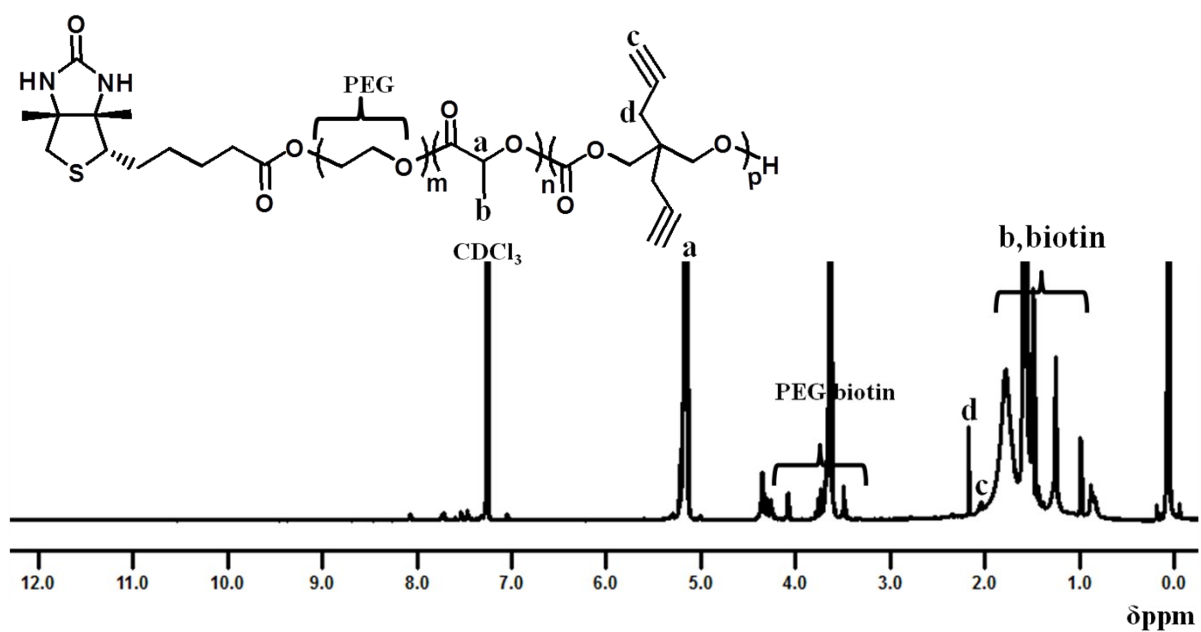


Figure S16: ^1H NMR spectrum of Bt-(PE-PA-PC)-2 copolymer.

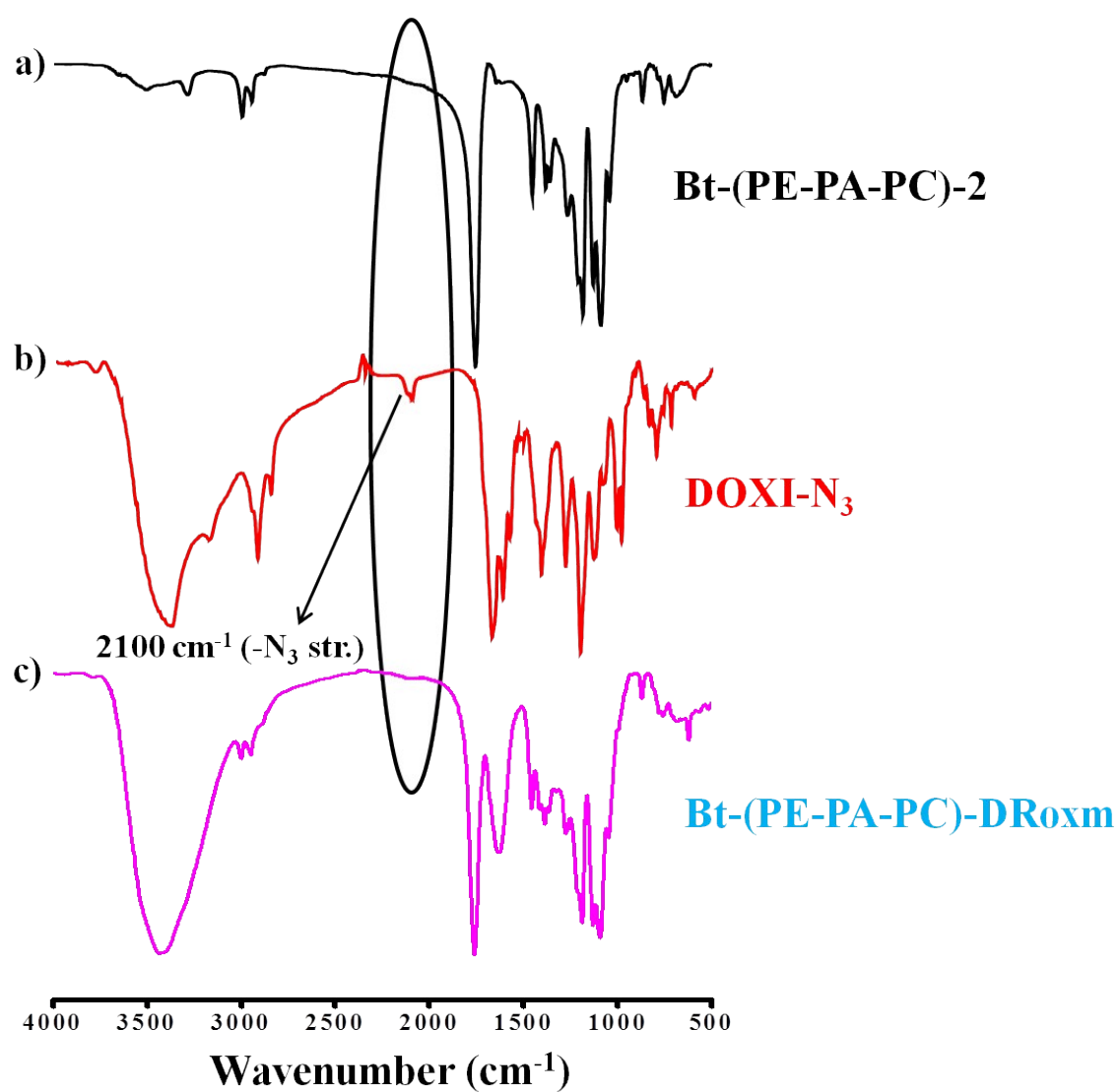


Figure S17: FT-IR data of (a) Bt-(PE-PA-PC)-2 copolymer (b) DOXI- N_3 and (c) Bt-(PE-PA-PC)-DRoxm copolymer.

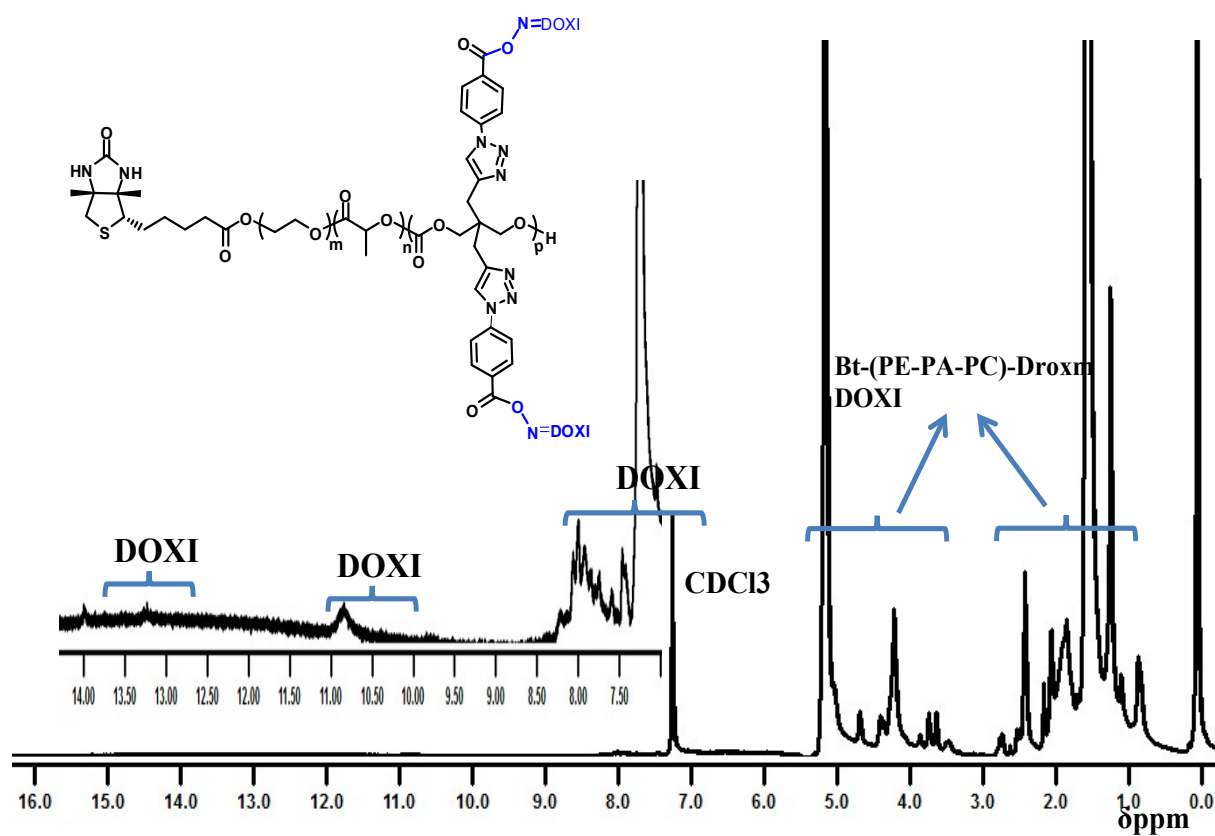


Figure S18: ^1H -NMR spectrum of **Bt-(PE-PA-PC)-DRoxm** copolymer in CDCl_3 .

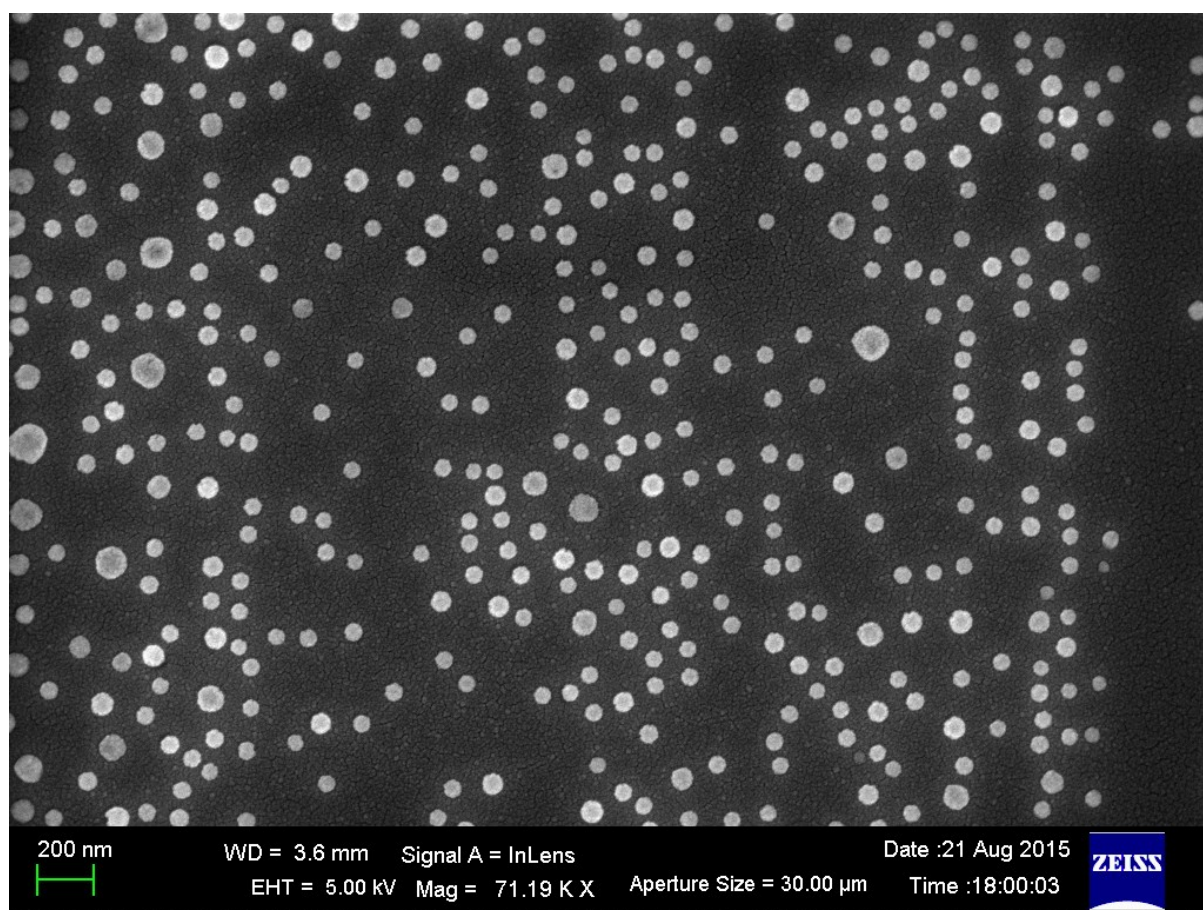


Figure S19: SEM images of Bt-(PE-PA-PC)-DRoxm copolymer in water.