**Impact of ethynylene linkers on the optical and electrochemical properties of benzothiadiazole based alternate conjugated polymers.**

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Figure 1: 1H NMR spectra of 9,9-dioctyl -2,7-diethynylfluorene (2).





Figure 2:1H NMR spectra of 2,7-diethynyl-9-(heptadecan-9-yl)-9H-carbazole (3)





Figure 3: 1H NMR spectra of 2,6-Diethynyl-9,10-bis(4-(dodecyloxy)phenyl)-anthracene (4)





Figure 4: 1H NMR spectra of **PFDEBT** in CDCl3 at room temperature.





Figure 5: 1H NMR spectra of **PCDEBT** in CDCl3 at room temperature.





Figure 6: 1H NMR spectra of **PPADEBT** in CDCl3 at room temperature.