

Multicolor Fluorescent Polymers Inspired from Green Fluorescent Protein

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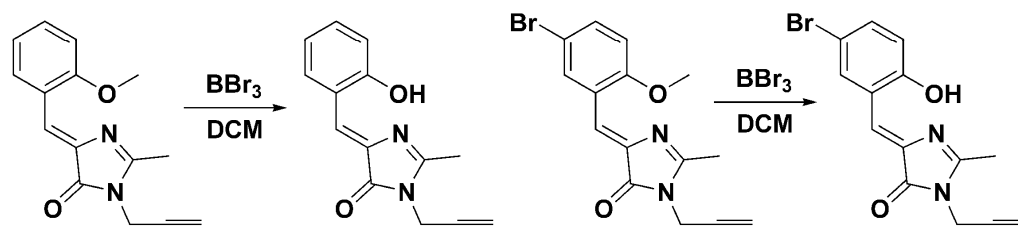
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1. Analytical and Spectral Characterizations

(A) preparation of 2-(hexyloxy)benzaldehyde



(B) deprotection of methoxy group



Scheme S1. Synthetic route of 2-(hexyloxy)benzaldehyde (A) and the deprotection of methoxy groups (B).

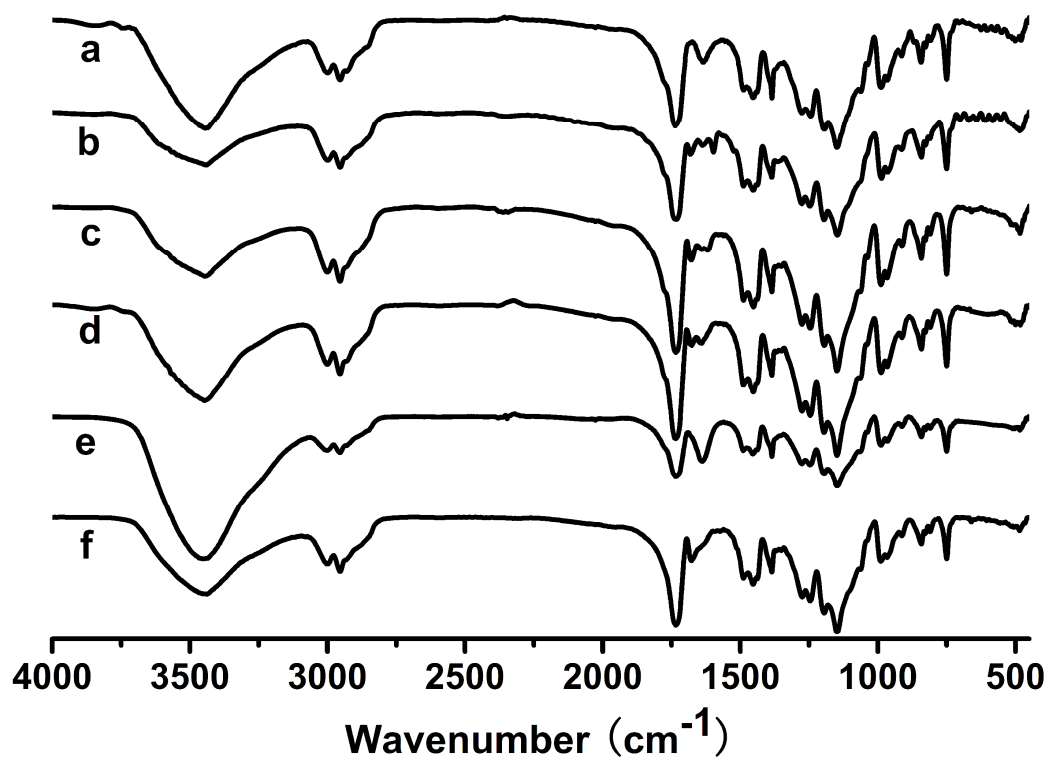
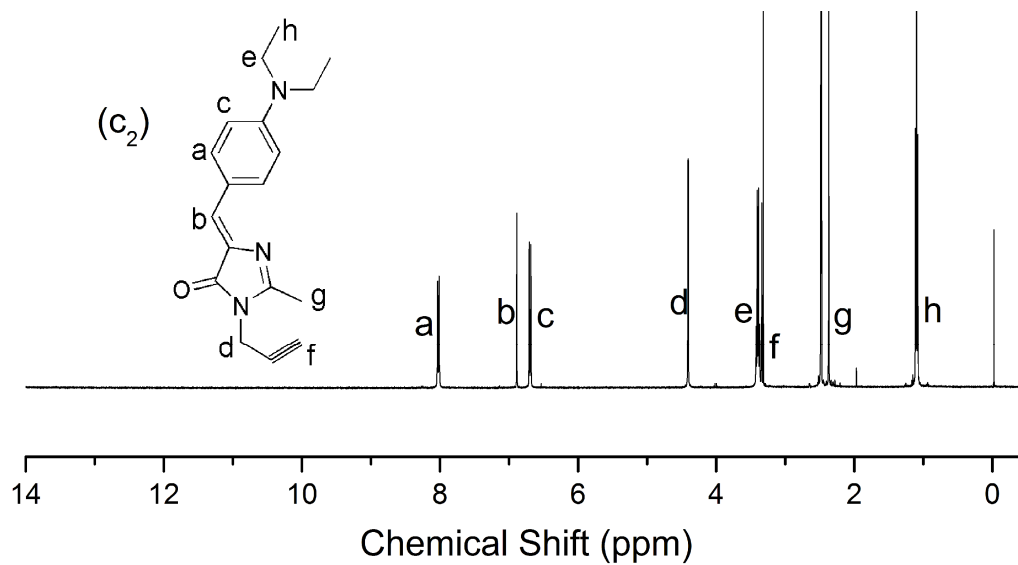
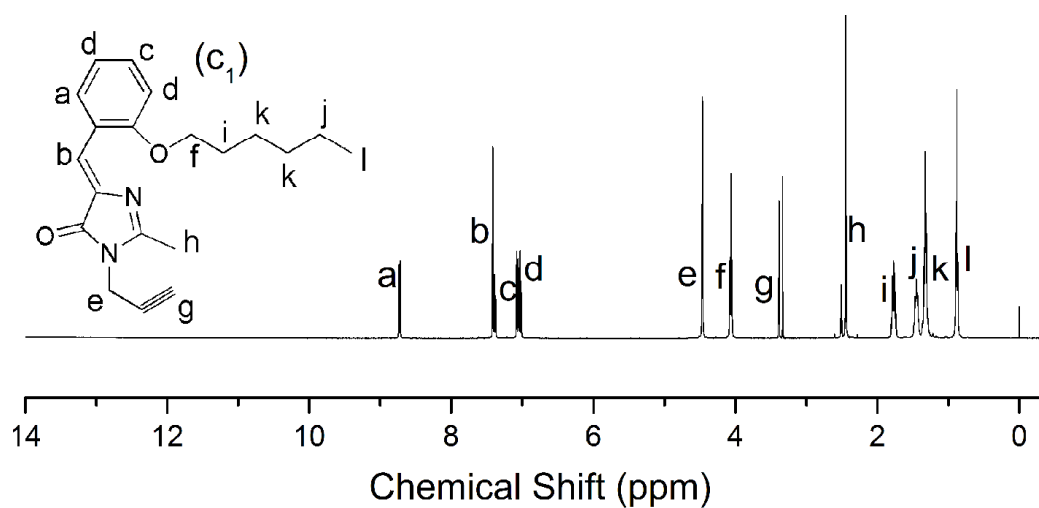
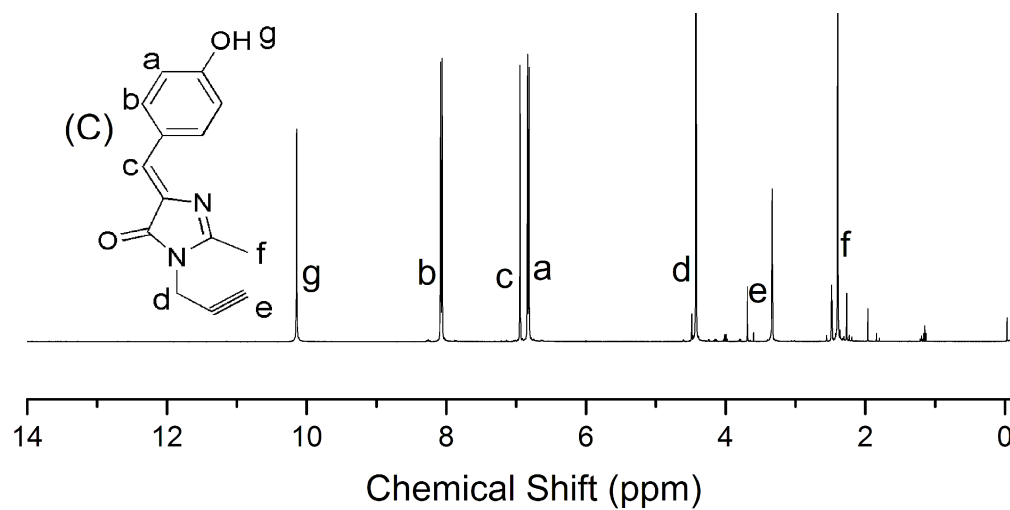
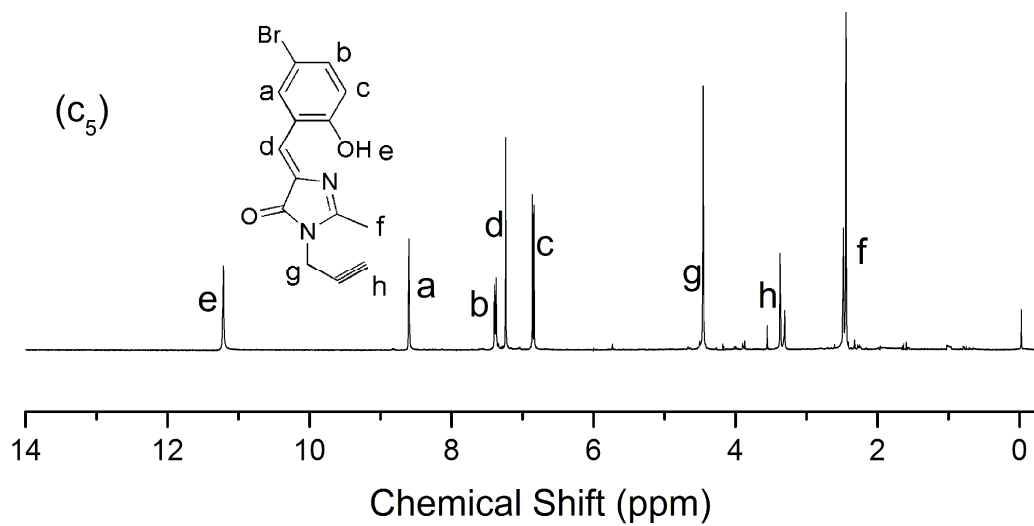
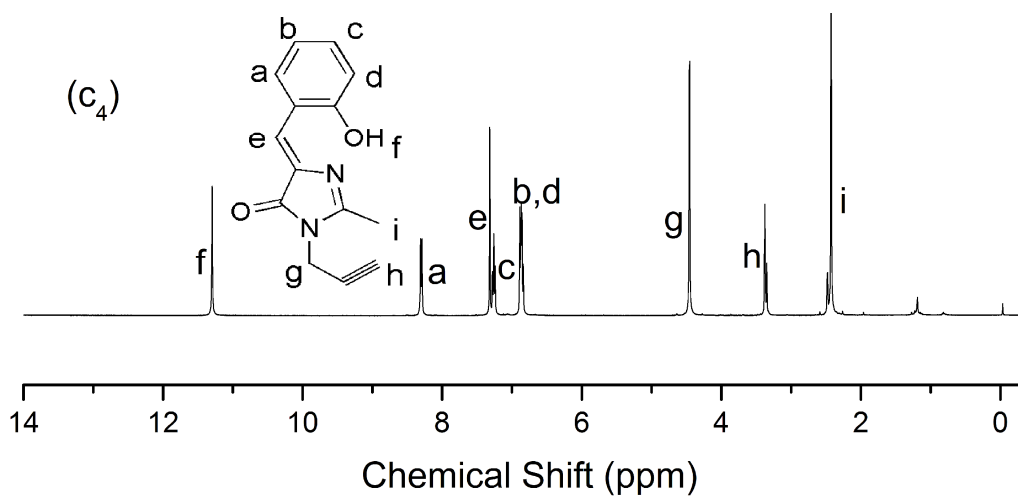
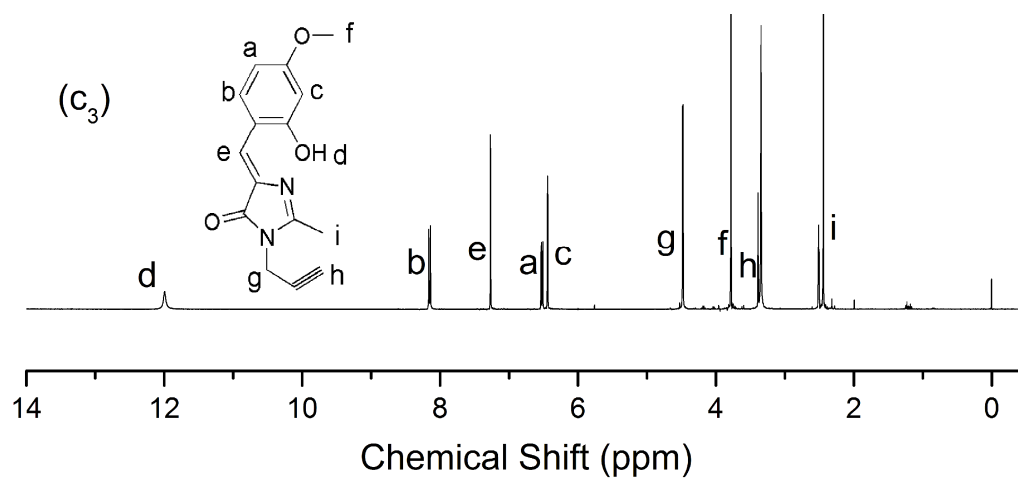


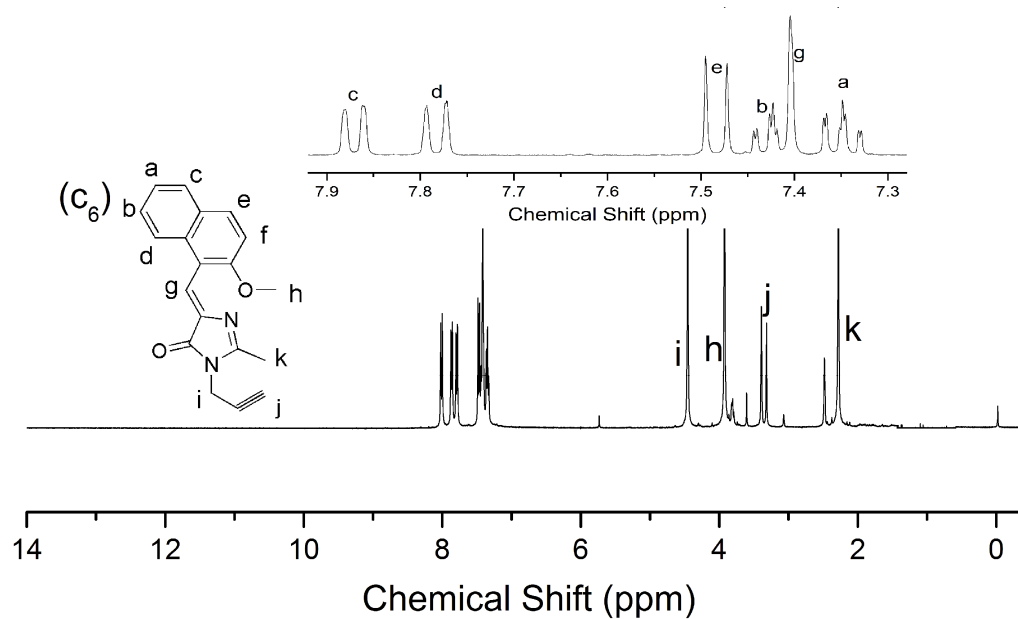
Figure S1. IR spectra of multicolor fluorescent polymers: PEG- c_1 -PMMA (a), PEG- c_2 -PMMA (b), PEG- c_3 -PMMA (c), PEG- c_4 -PMMA (d), PEG- c_5 -PMMA (e) and PEG- c_6 -PMMA (f).

2. Analytical and Spectral Characterizations of Chromophores

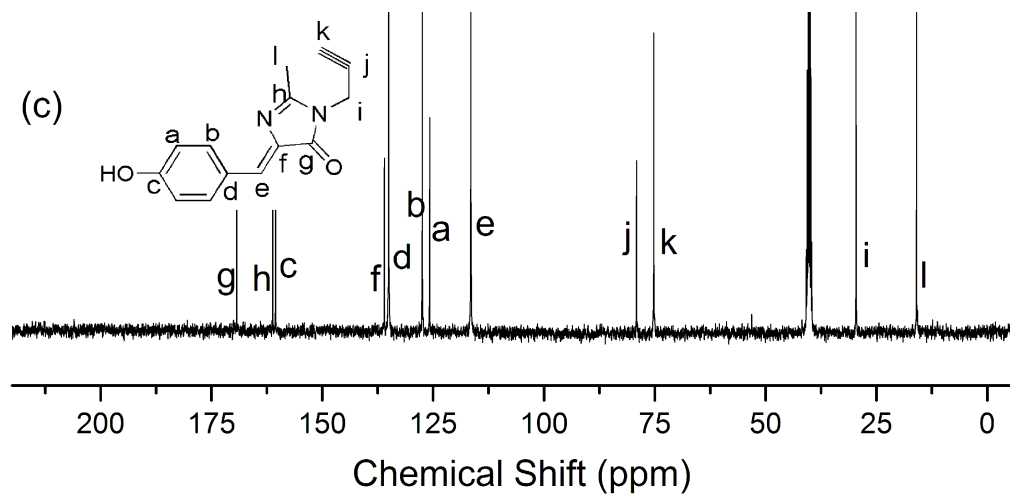
2.1 ^1H NMR Spectra of Chromophores (c and c₁-c₆)

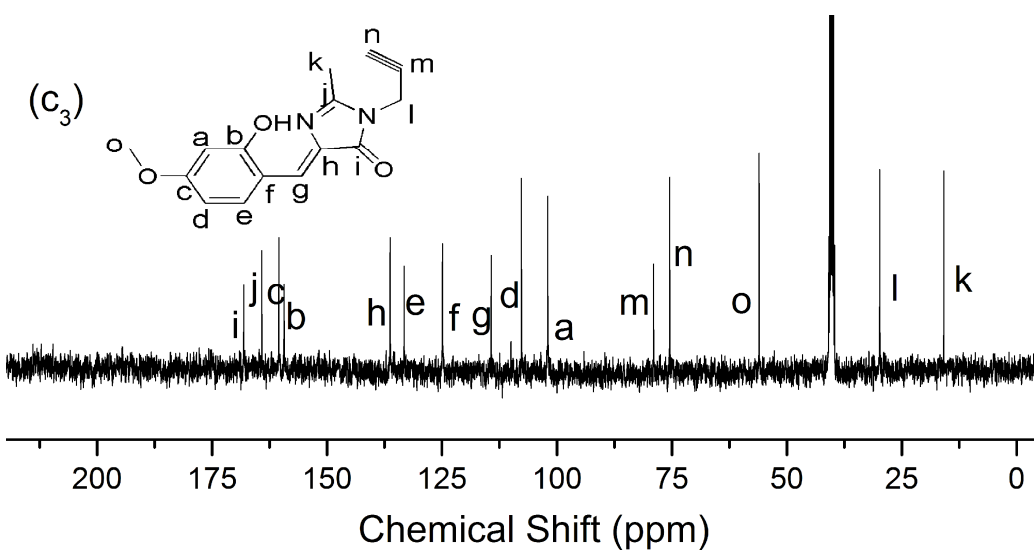
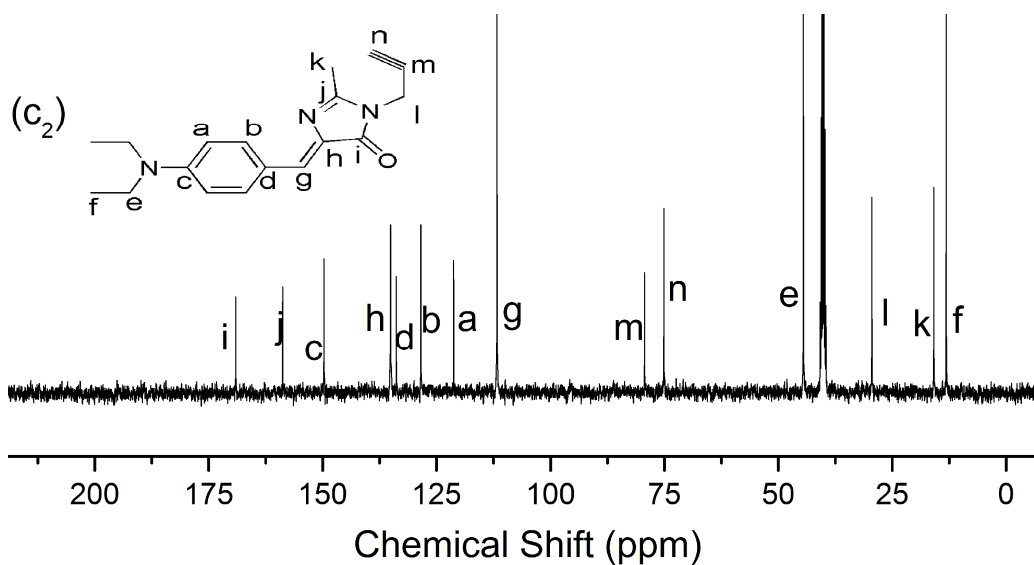
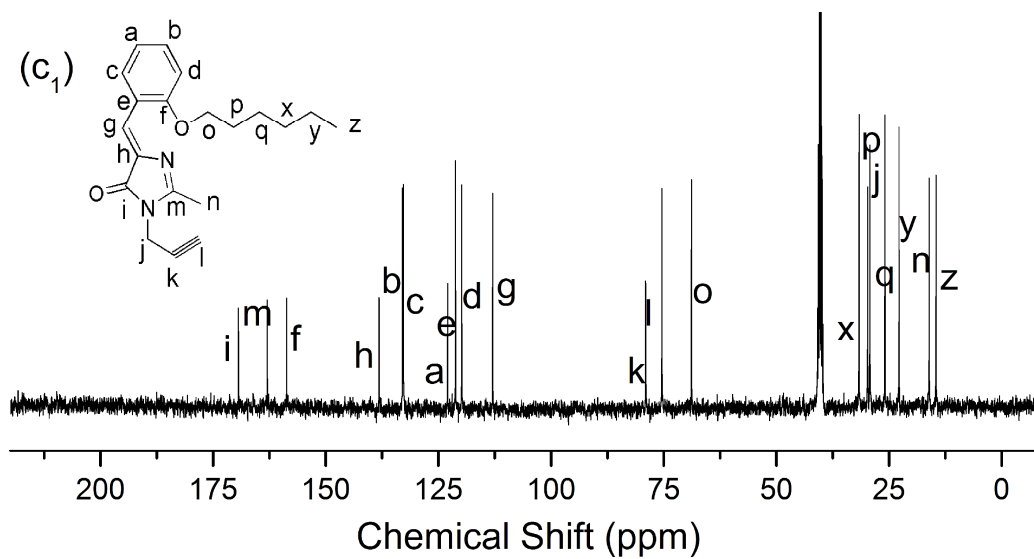


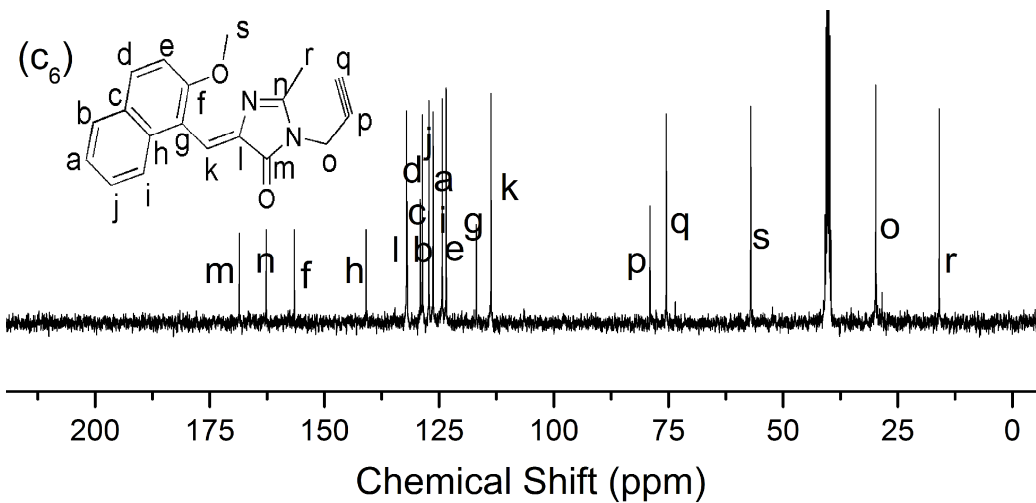
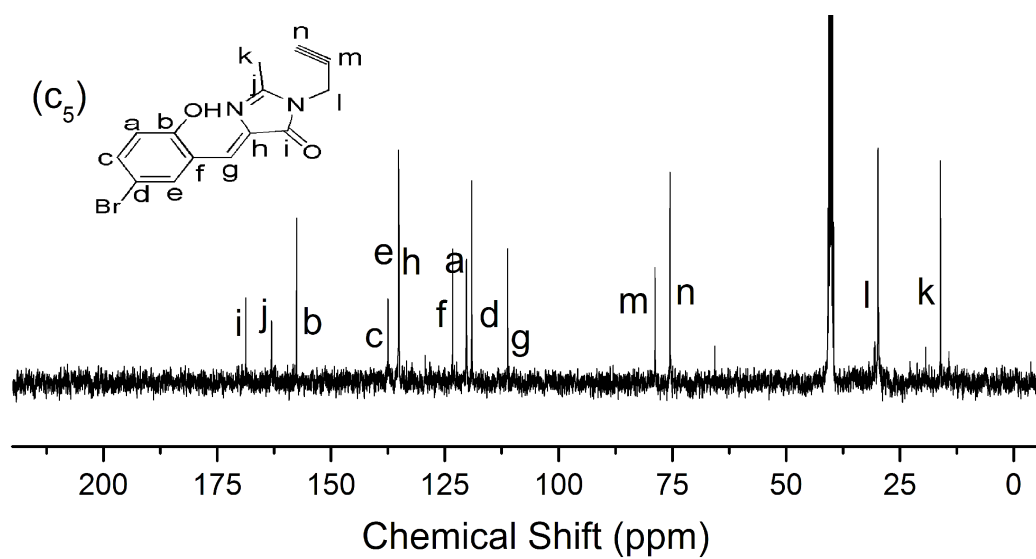
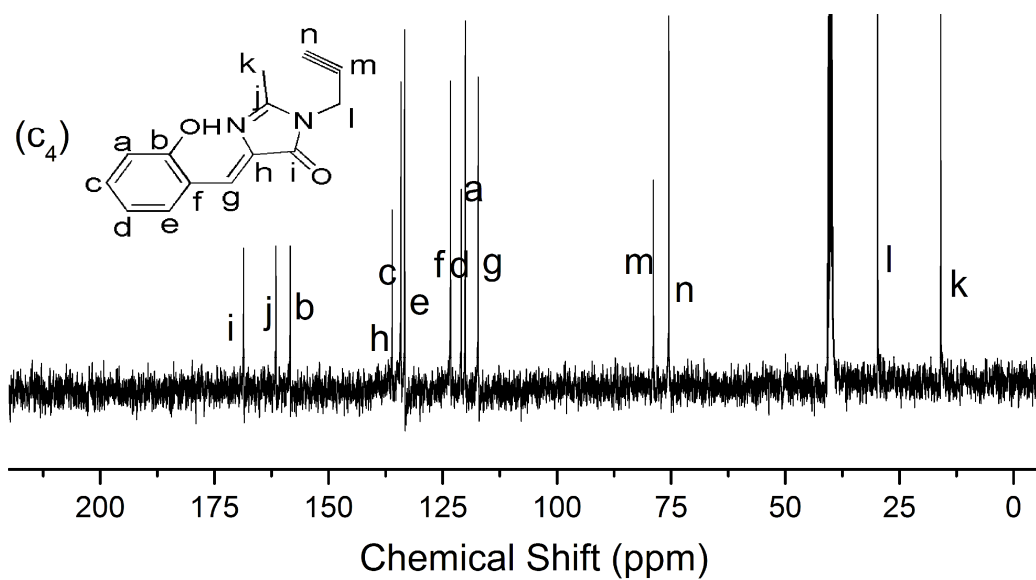




2.2 ¹³C NMR Spectra of Chromophores (c and c₁-c₆)







2.3 IR Spectra of Chromophores (c and c₁-c₆)

