

Supporting Information

Design and characterization of red fluorogenic push-pull chromophores holding great potential for bioimaging and biosensing

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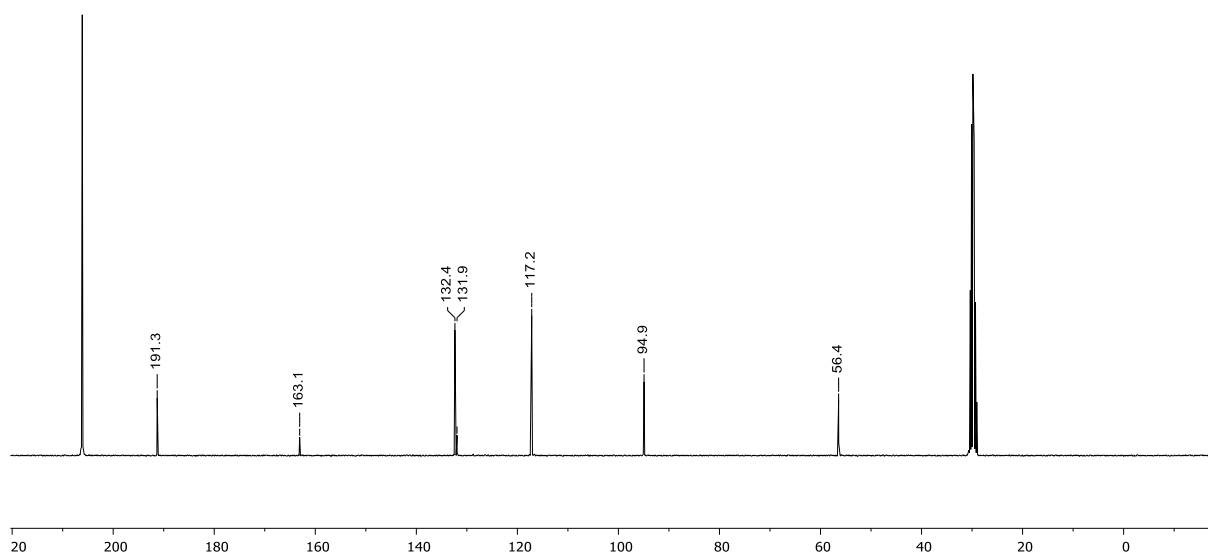
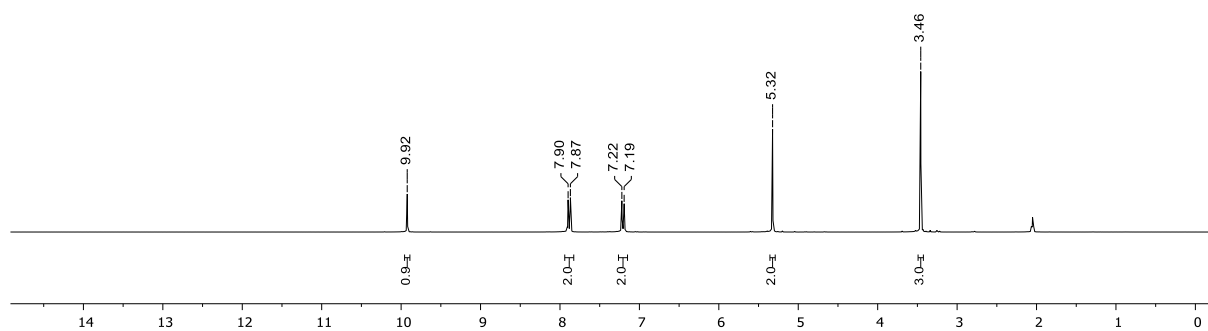
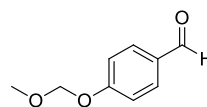
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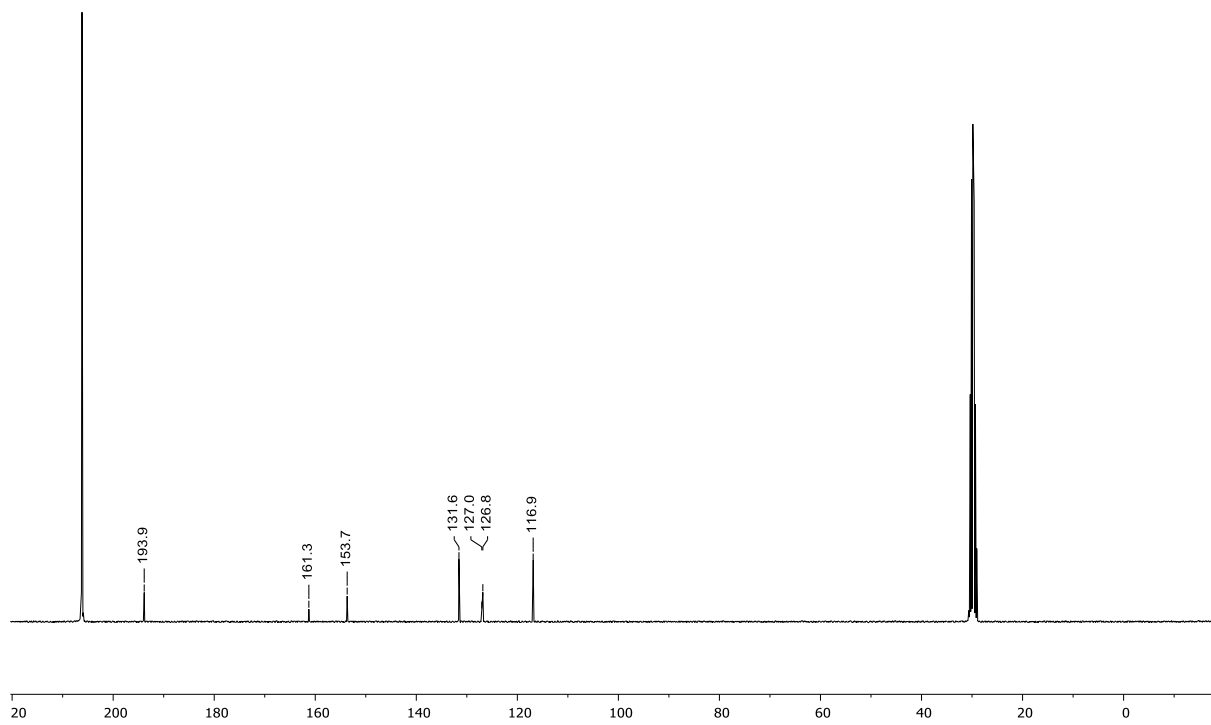
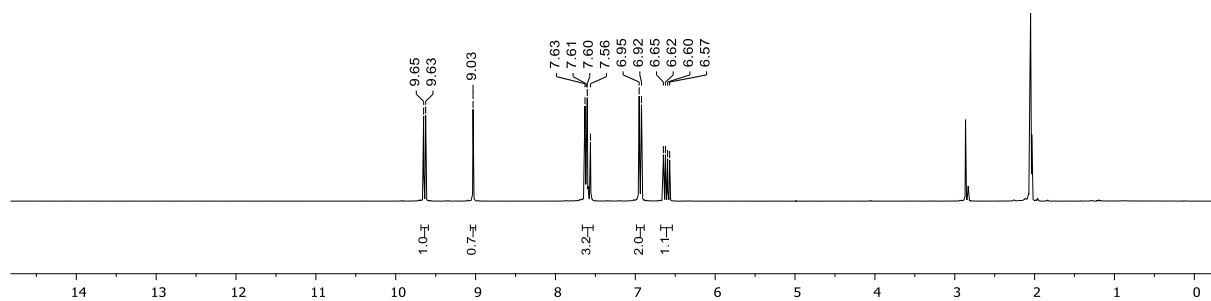
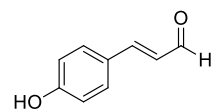
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This file contains the NMR spectra of all the compounds described in this paper. For each compounds are given the ¹H NMR spectrum (Top spectrum) and the ¹³C NMR spectrum (Bottom spectrum). NMR spectra were recorded on a AC Bruker spectrometer at 300 MHz for ¹H and 75 MHz for ¹³C; chemical shifts are reported in ppm with protonated solvent as internal reference ¹H, CHD₂COCD₃ in CD₃COCD₃ 2.05 ppm, CHD₂SOCD₃ in CD₃SOCD₃ 2.50 ppm; ¹³C, ¹³CD₃COCD₃ in CD₃COCD₃ 29.84 ppm, ¹³CD₃SOCD₃ in CD₃SOCD₃ 39.52 ppm.

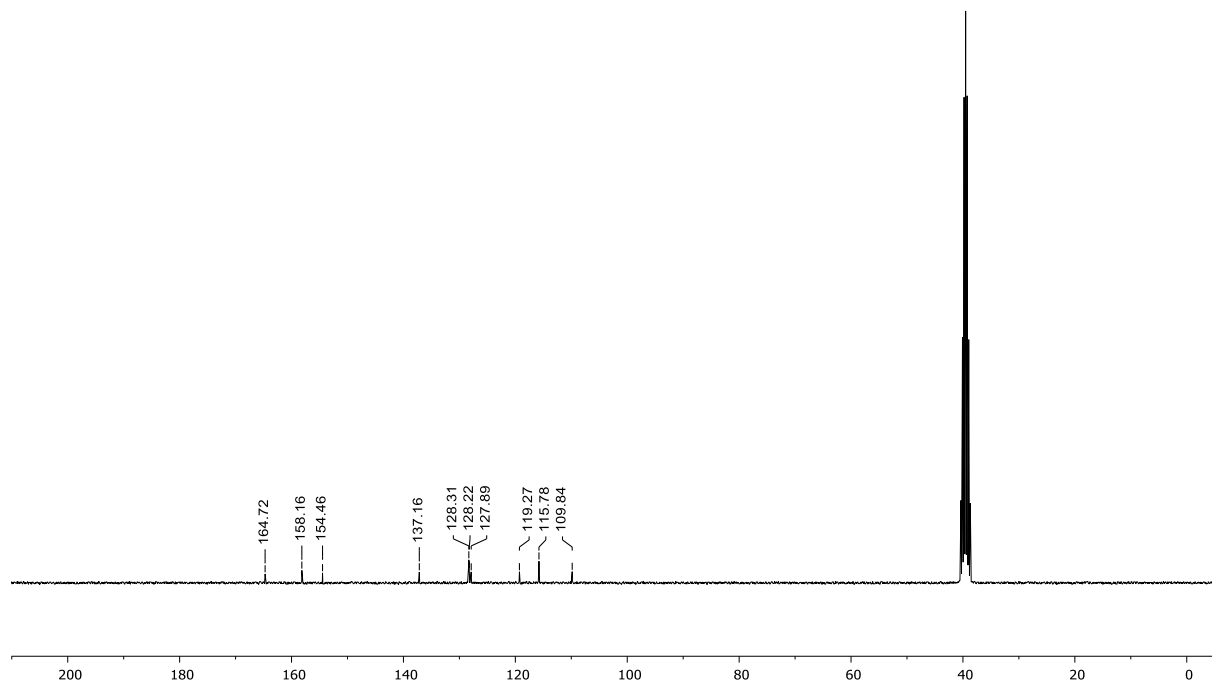
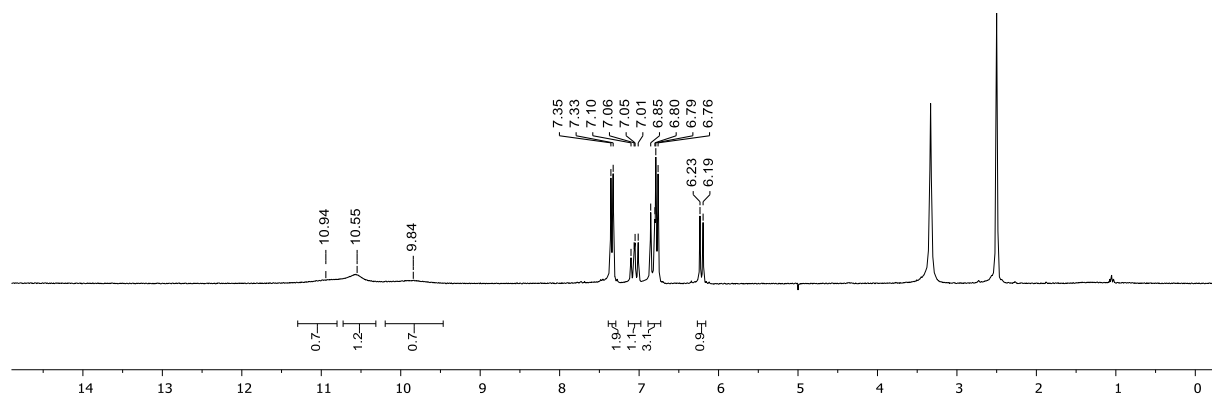
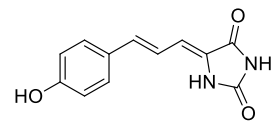
4-(methoxymethoxy)benzaldehyde



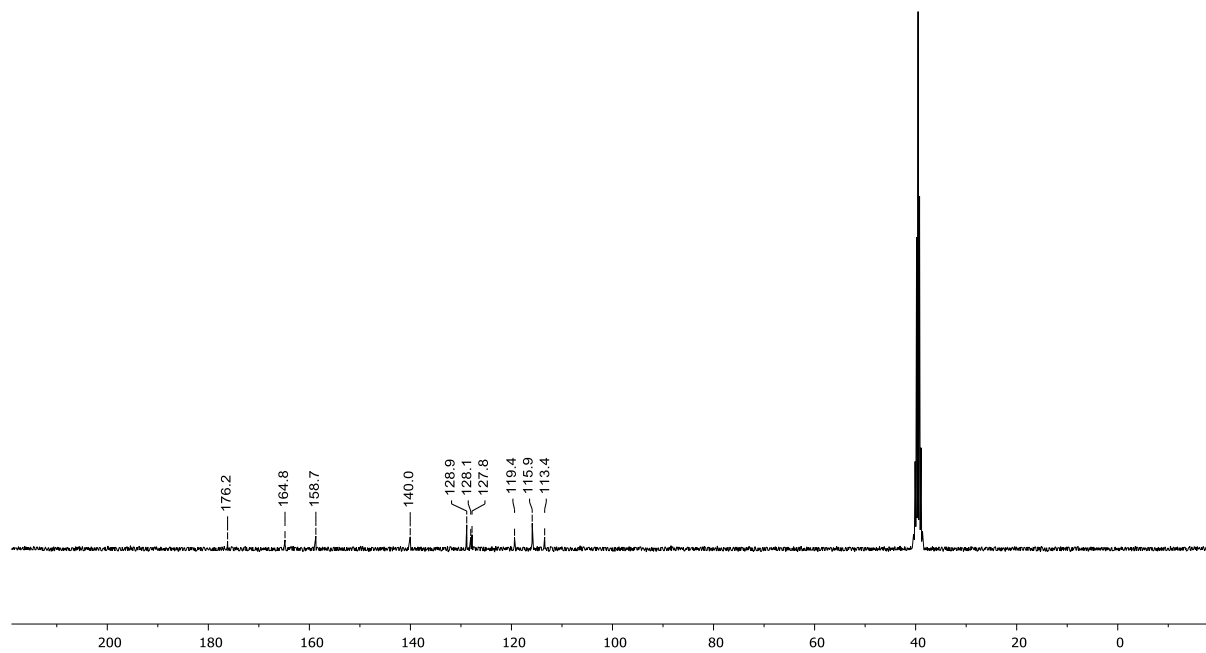
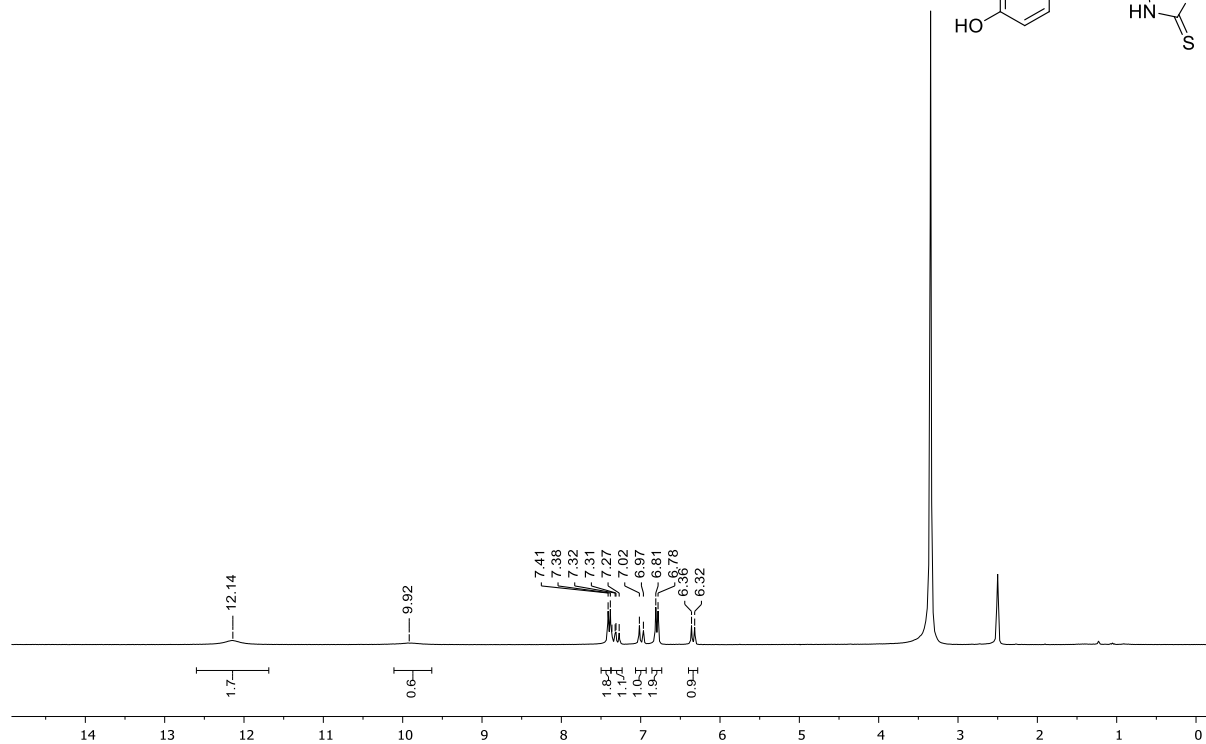
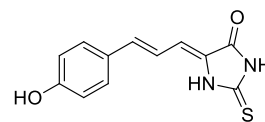
4-hydroxycinnamaldehyde (1)



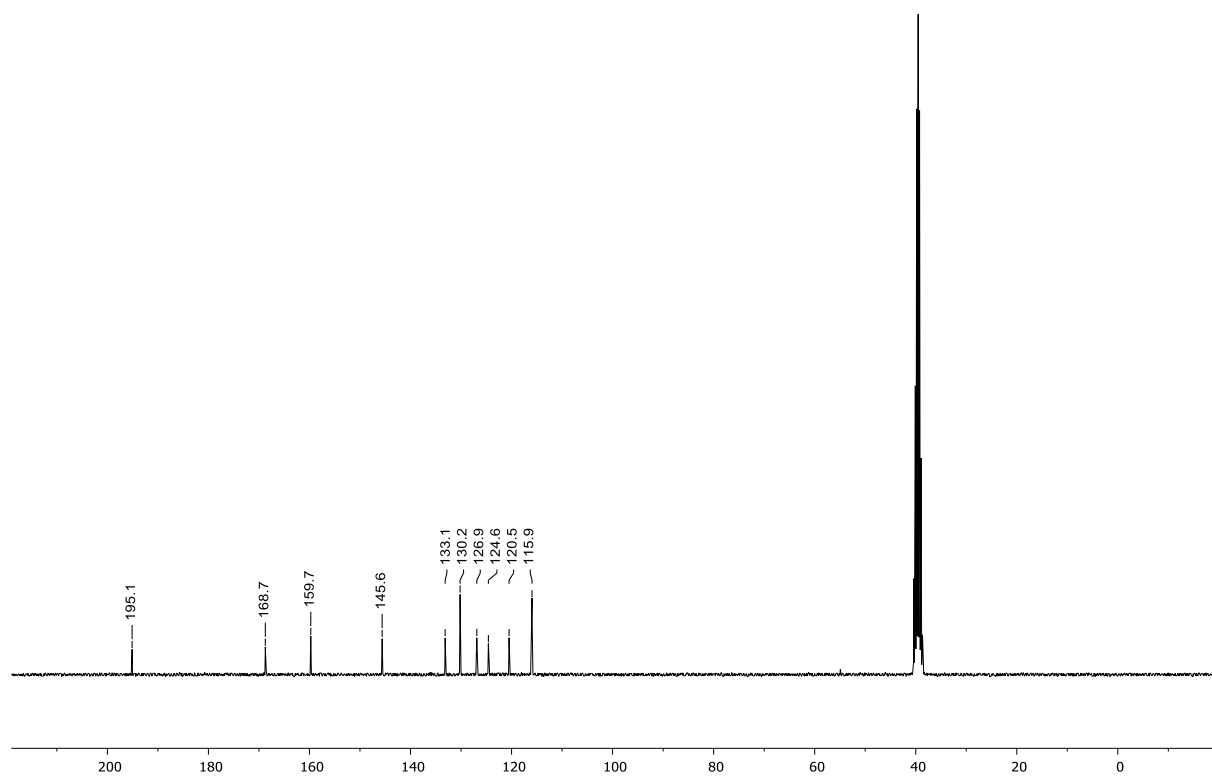
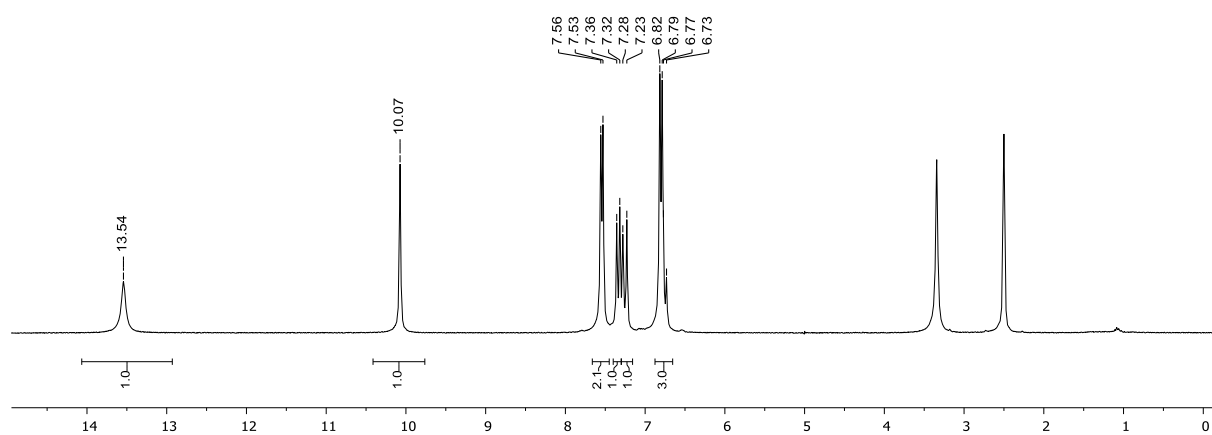
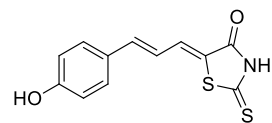
(Z)-5-((E)-3-(4-hydroxyphenyl)allylidene)imidazolidine-2,4-dione (1a)



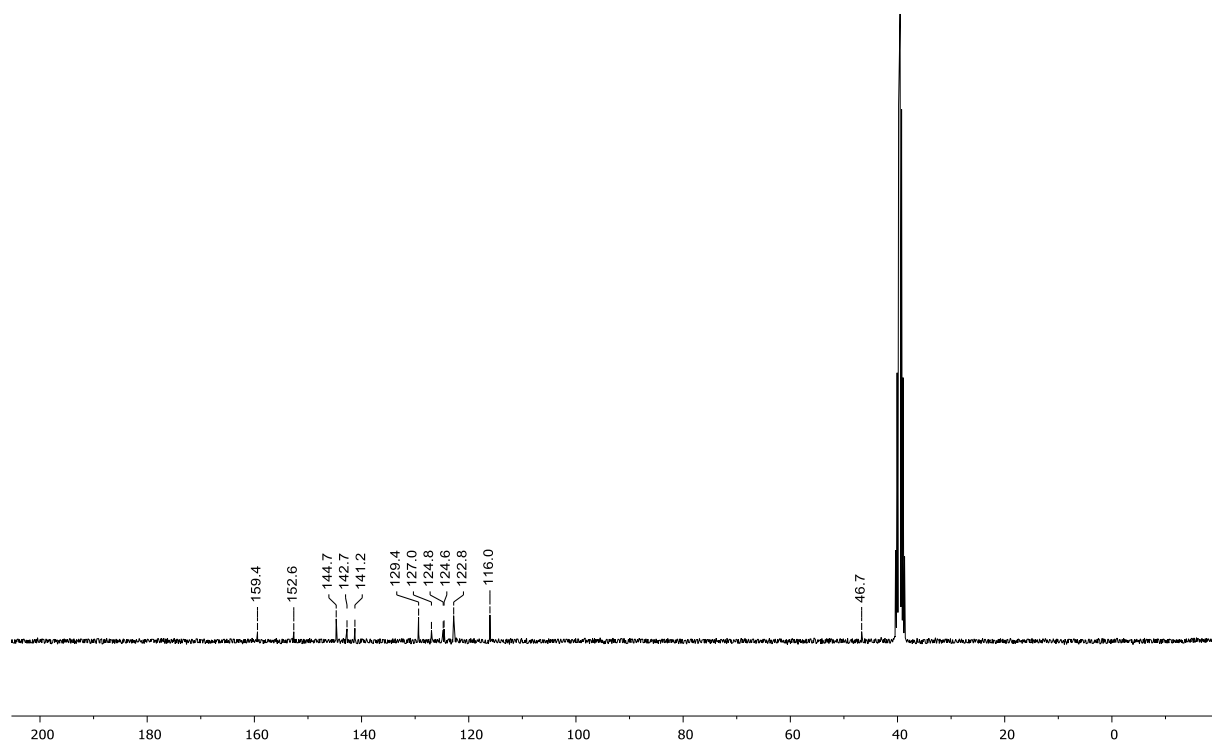
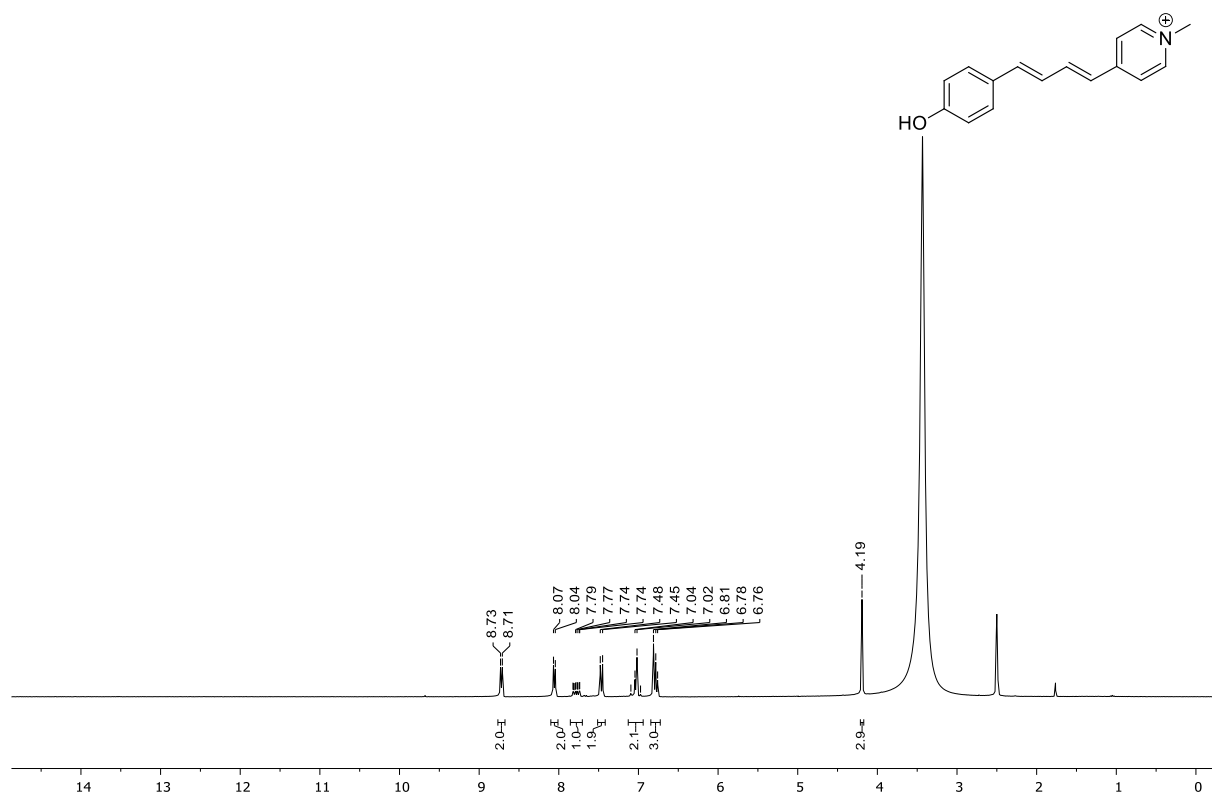
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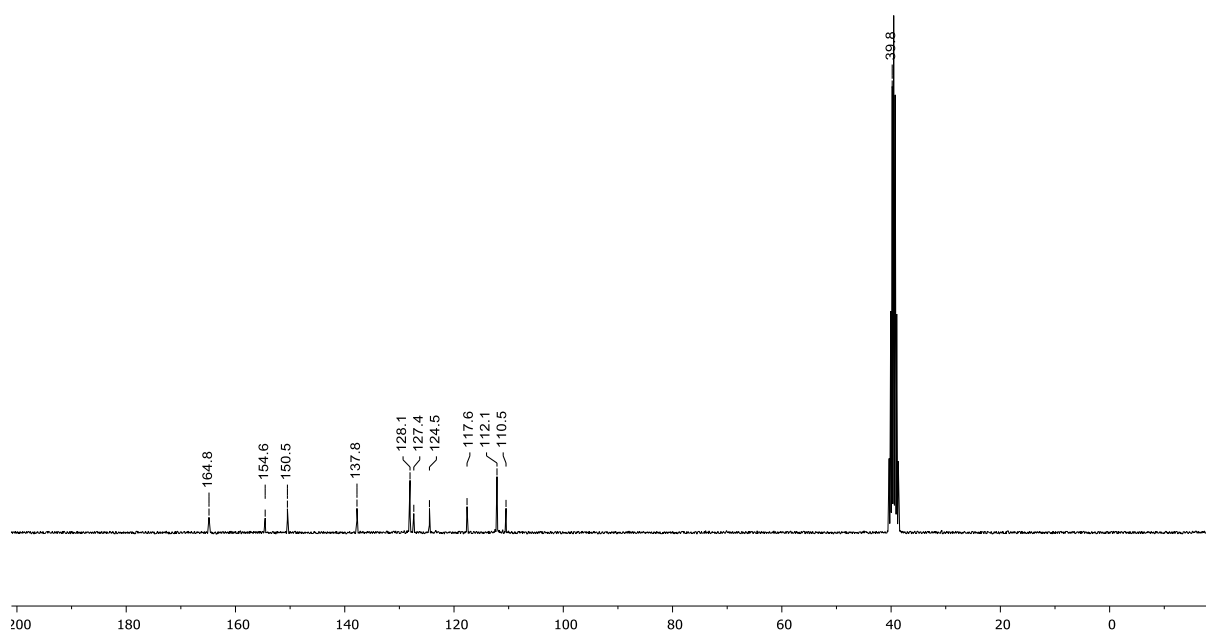
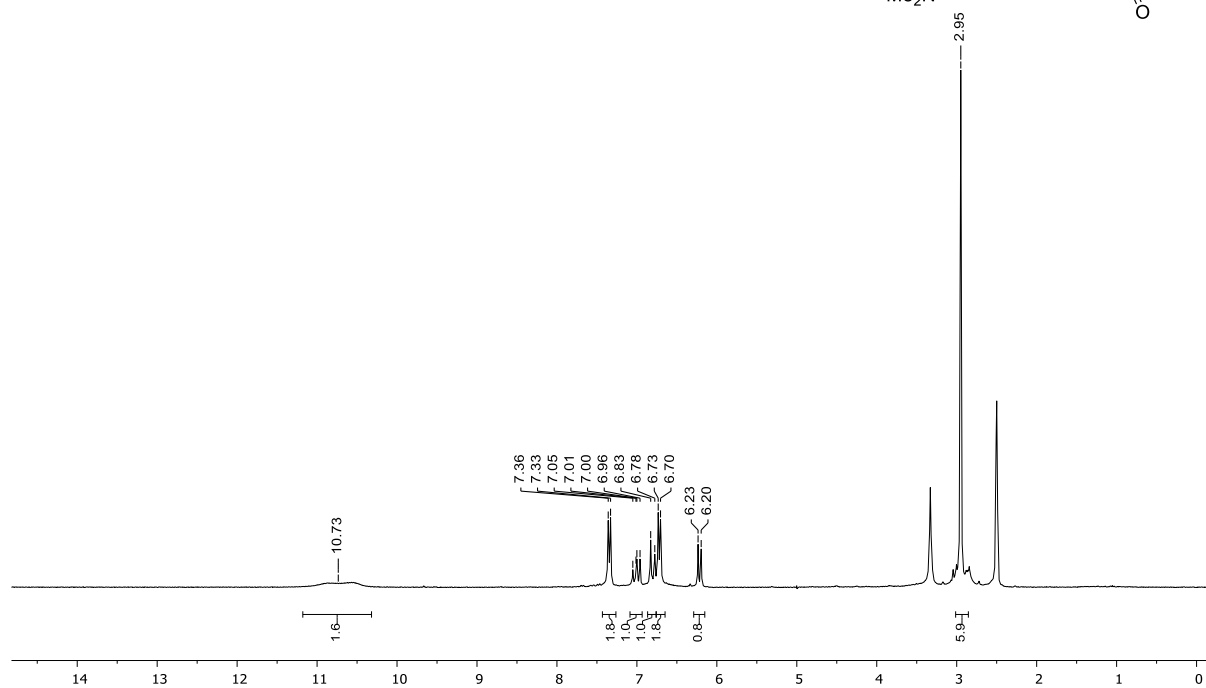
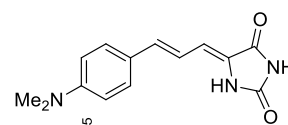
(Z)-5-((E)-3-(4-hydroxyphenyl)allylidene)-2-thioxothiazolidin-4-one (1c)



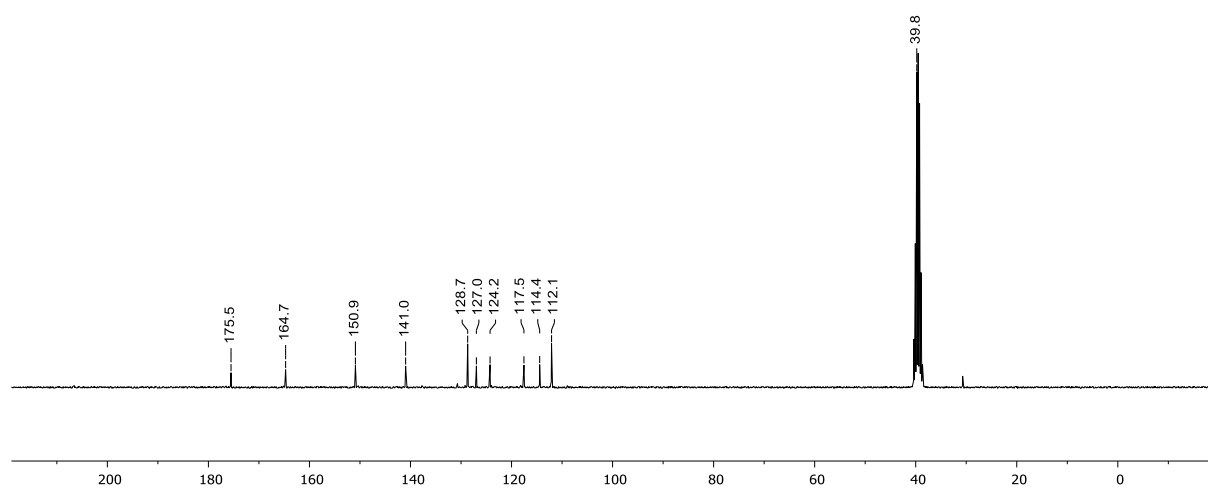
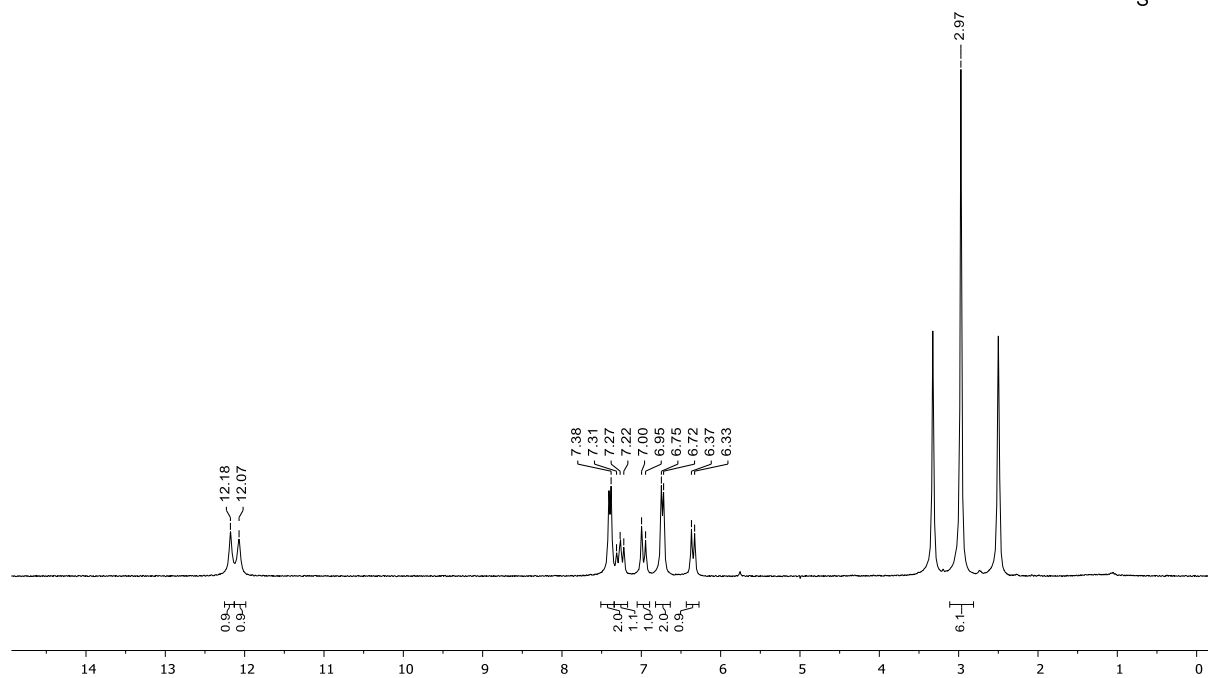
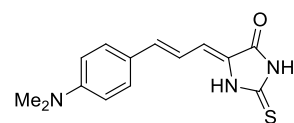
4-((1E,3E)-4-(4-hydroxyphenyl)buta-1,3-dien-1-yl)-1-methylpyridin-1-ium iodide (1d)



(Z)-5-((E)-3-(4-(dimethylamino)phenyl)allylidene)imidazolidine-2,4-dione (2a)



(Z)-5-((E)-3-(4-(dimethylamino)phenyl)allylidene)-2-thioxoimidazolidin-4-one (2b)



(Z)-5-((E)-3-(4-(dimethylamino)phenyl)allylidene)-2-thioxothiazolidin-4-one (2c)

