

Supporting Information

Solvent based selectivity in the synthesis of di(2-aryl-1*H*-3-indolyl)sulfides and 1-aryl-2-[(2-aryl-1*H*-3-indolyl)sulfanyl]-1-ethanones

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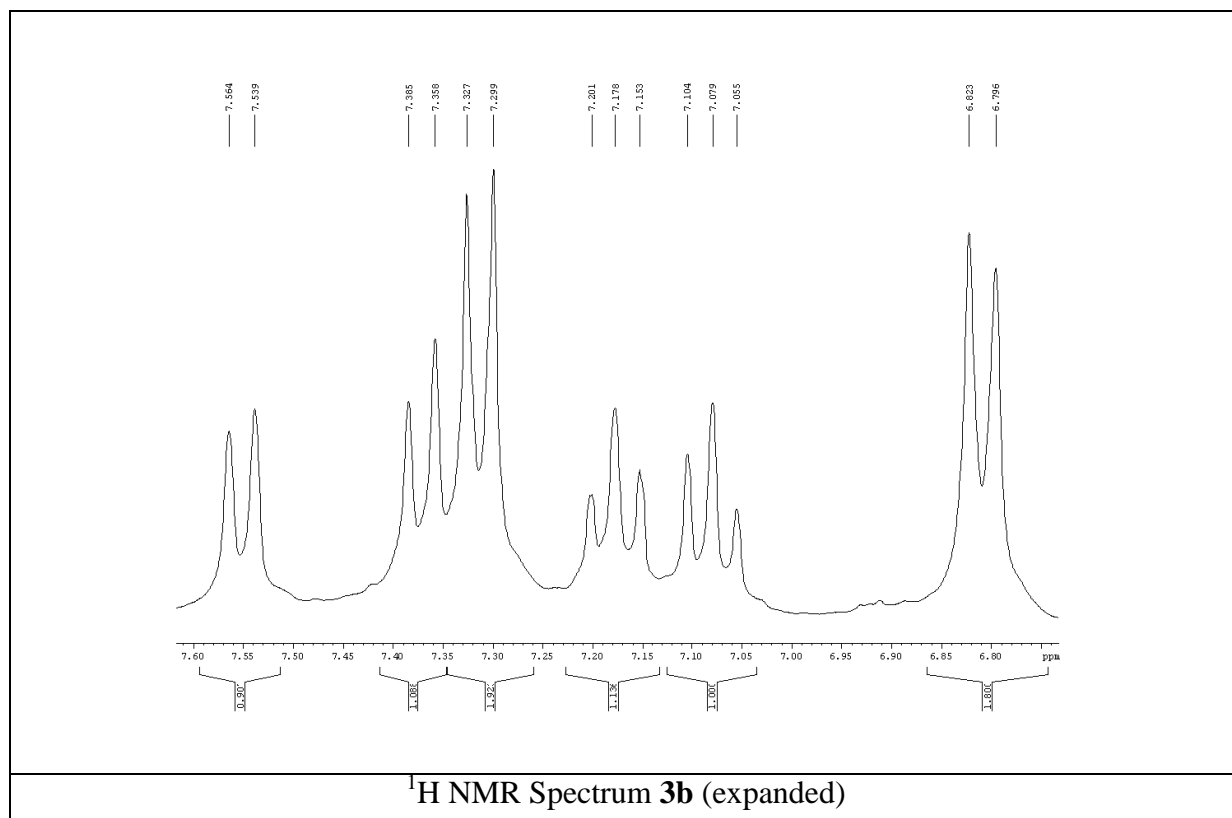
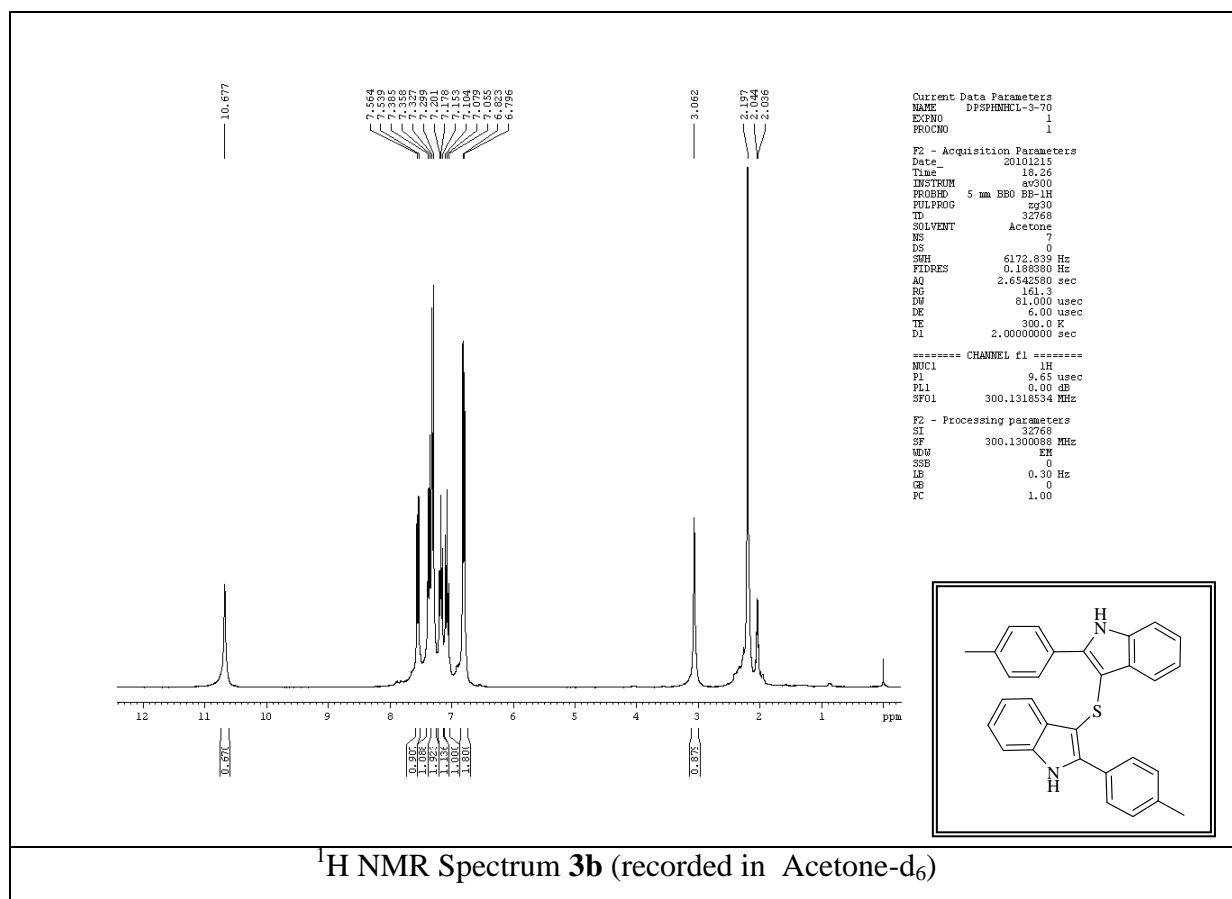
Experimental

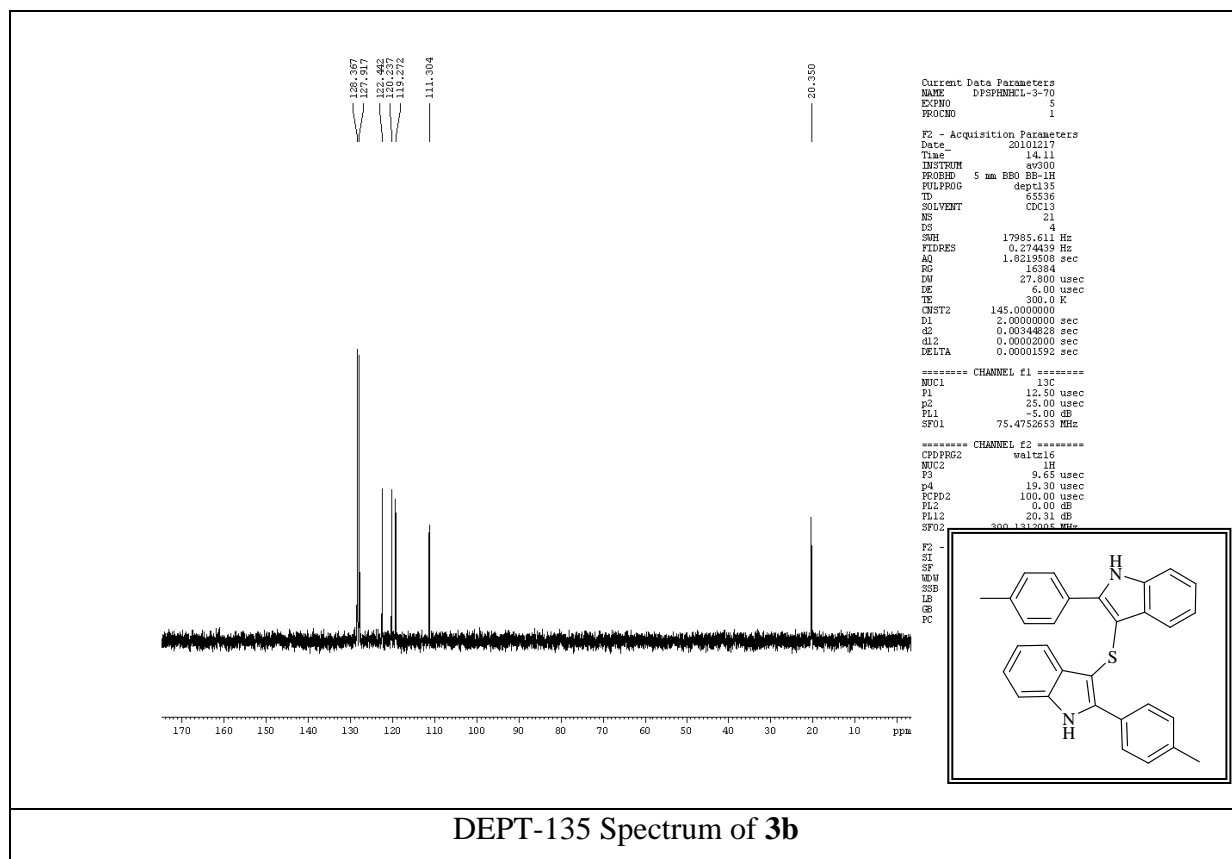
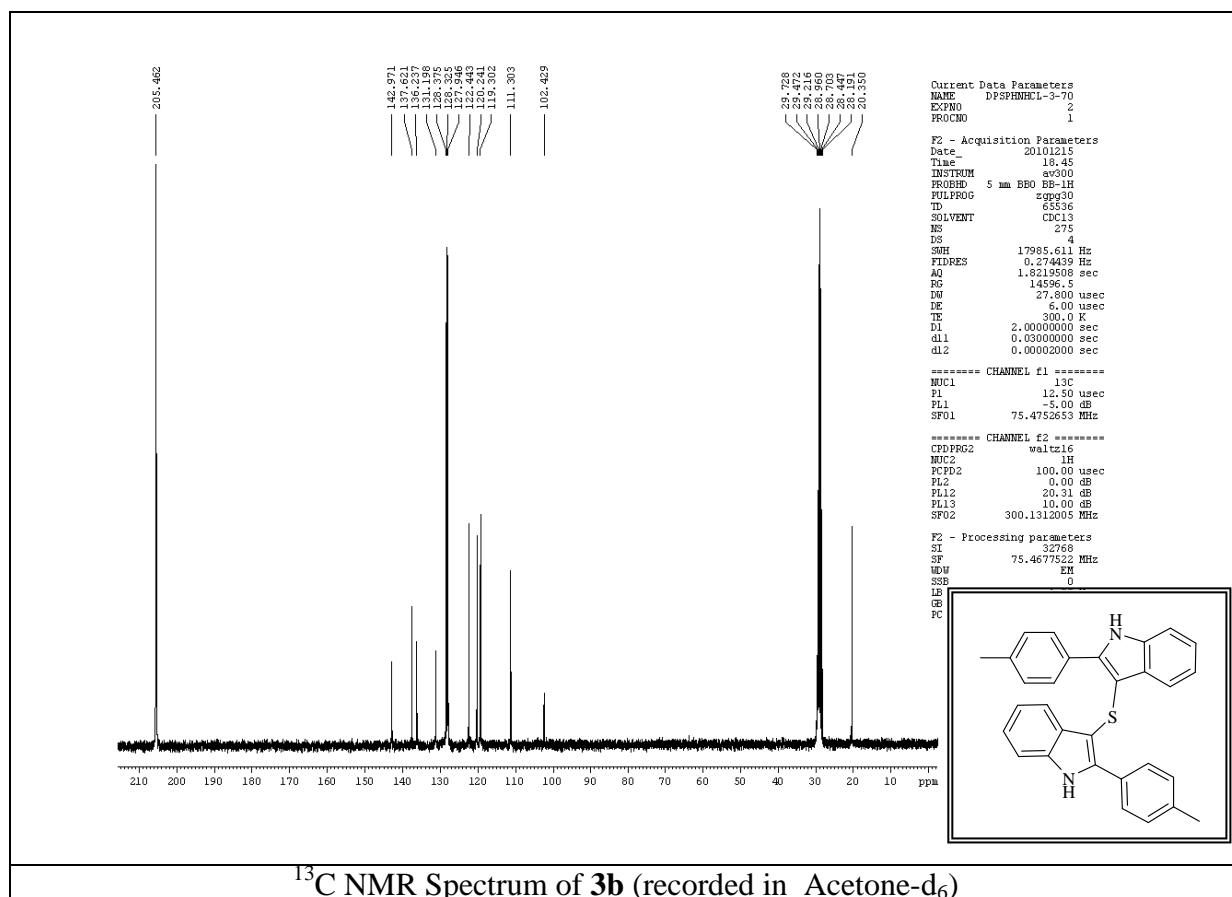
1.1 General Methods

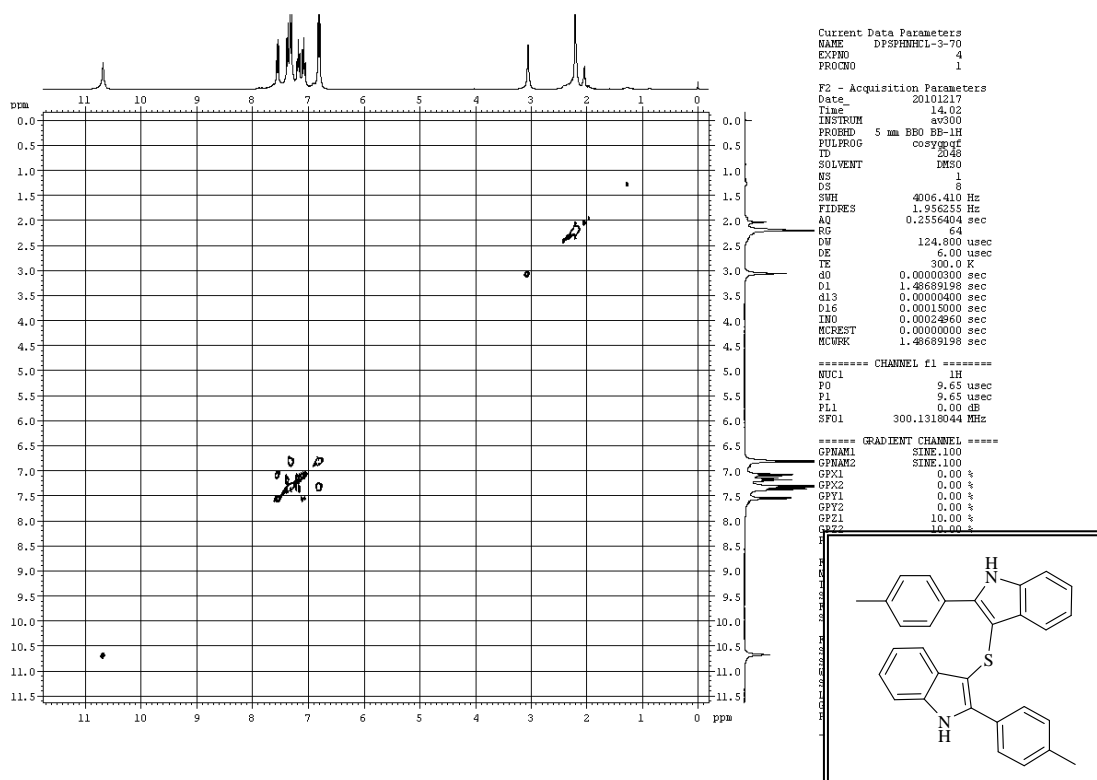
All melting points reported in this work were measured in open capillaries. The ¹H and ¹³C NMR spectra have been measured at 300 and 75 MHz respectively using Bruker 300 MHz (Avance) instrument in CDCl₃ using tetramethylsilane (TMS) as internal standard. Chemical shifts are reported as δ values (ppm). All one- and two-dimensional NMR spectra were obtained using standard Bruker software throughout. Elemental analyses were performed on a Perkin Elmer 2400 Series II Elemental CHNS analyzer. IR spectra were recorded on a JASCO FT IR instrument (KBr pellet).

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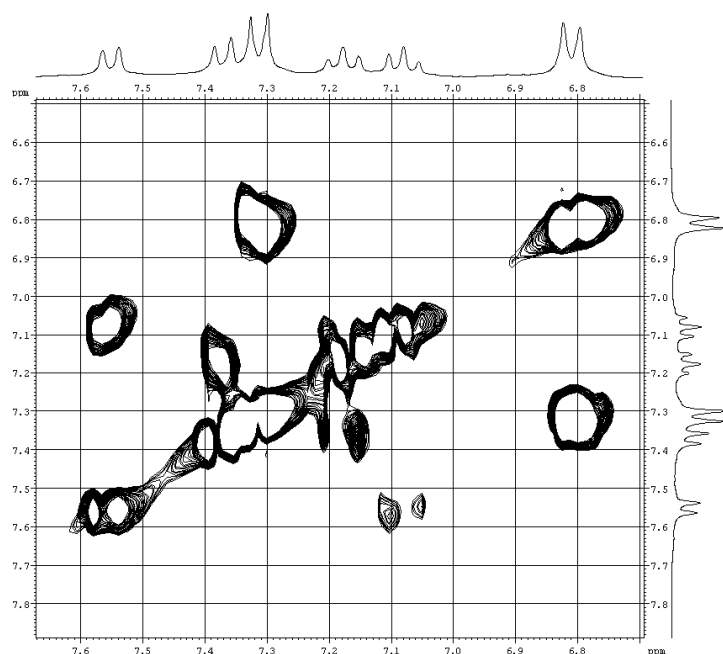
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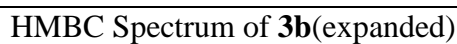
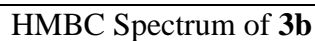


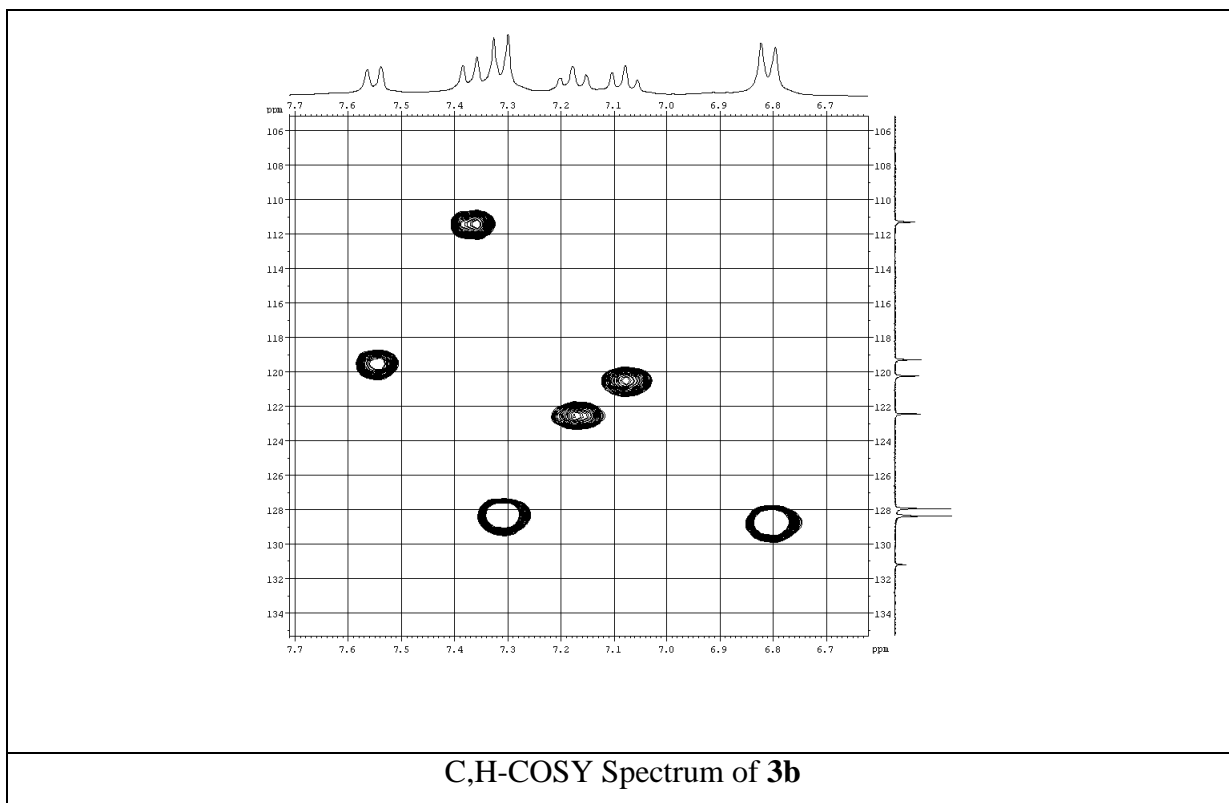
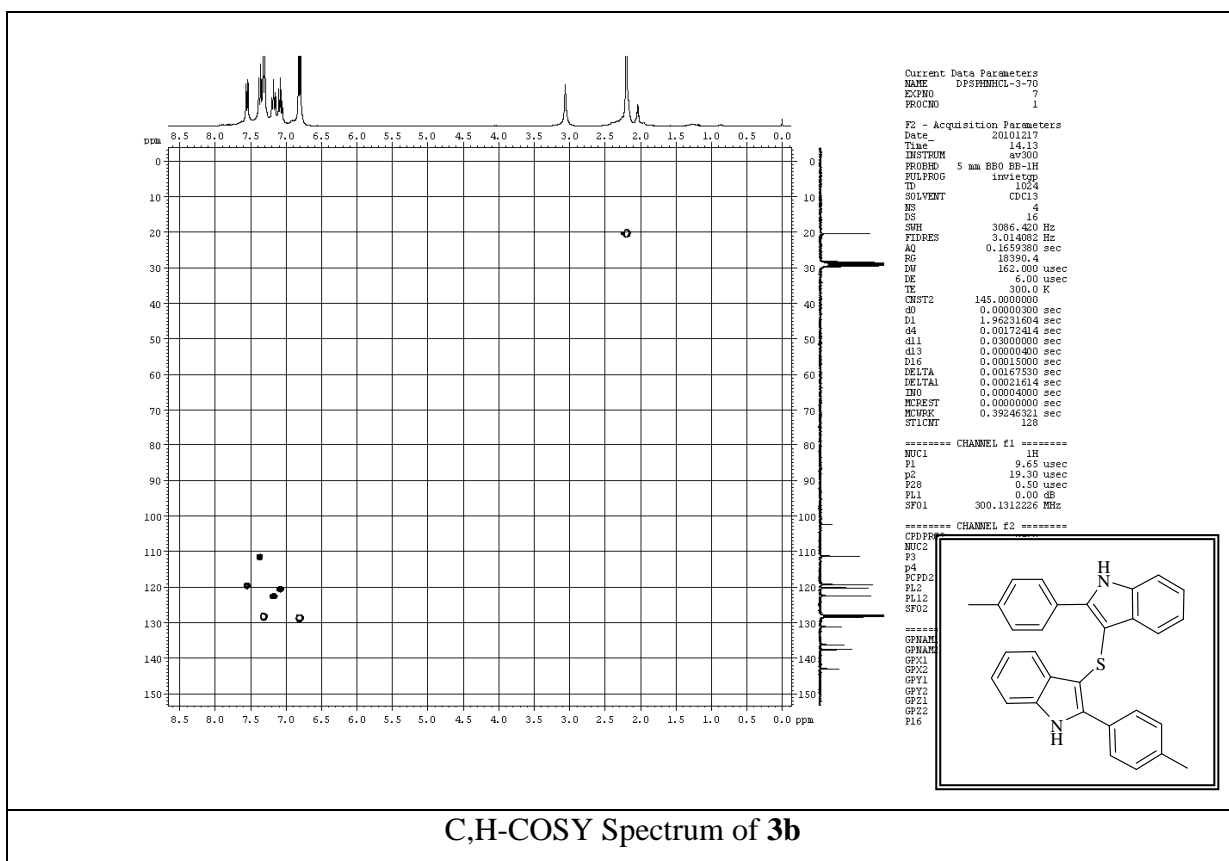


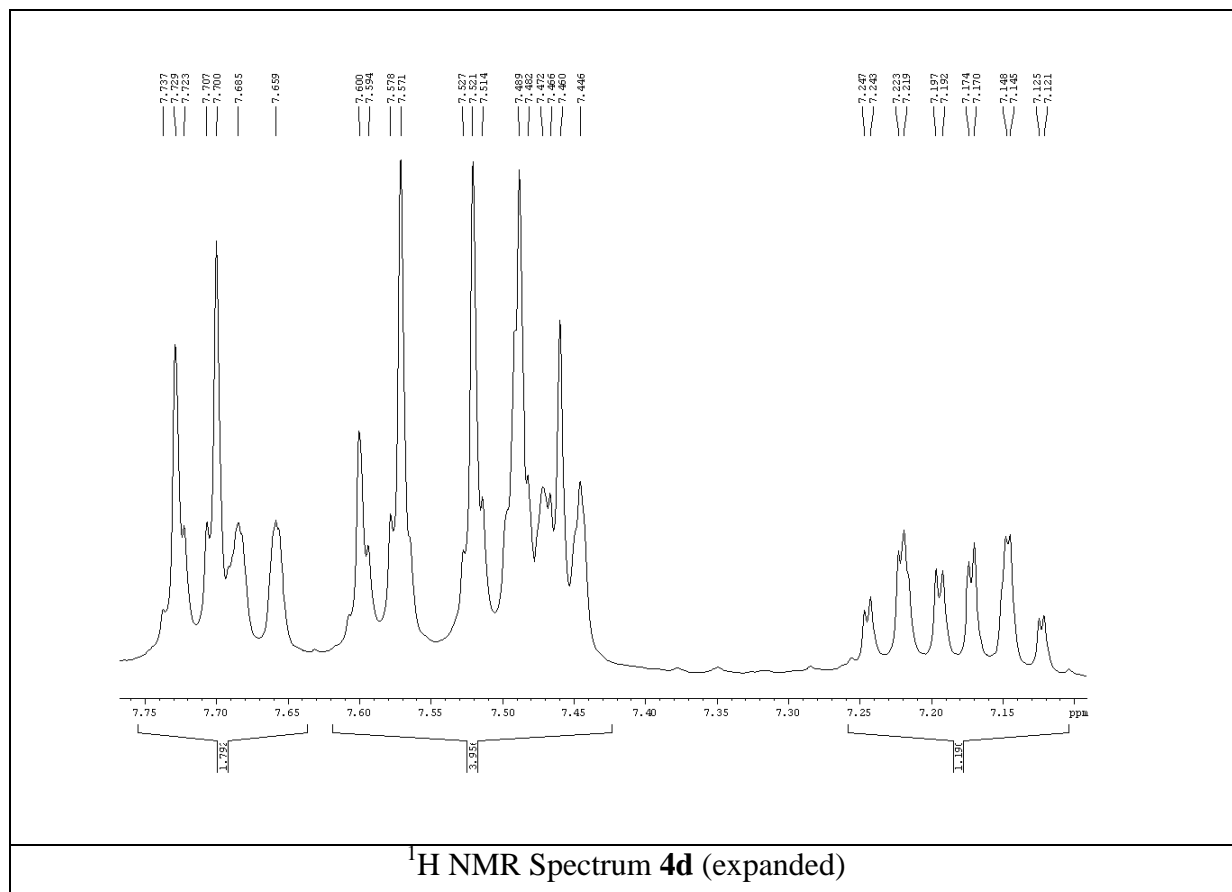
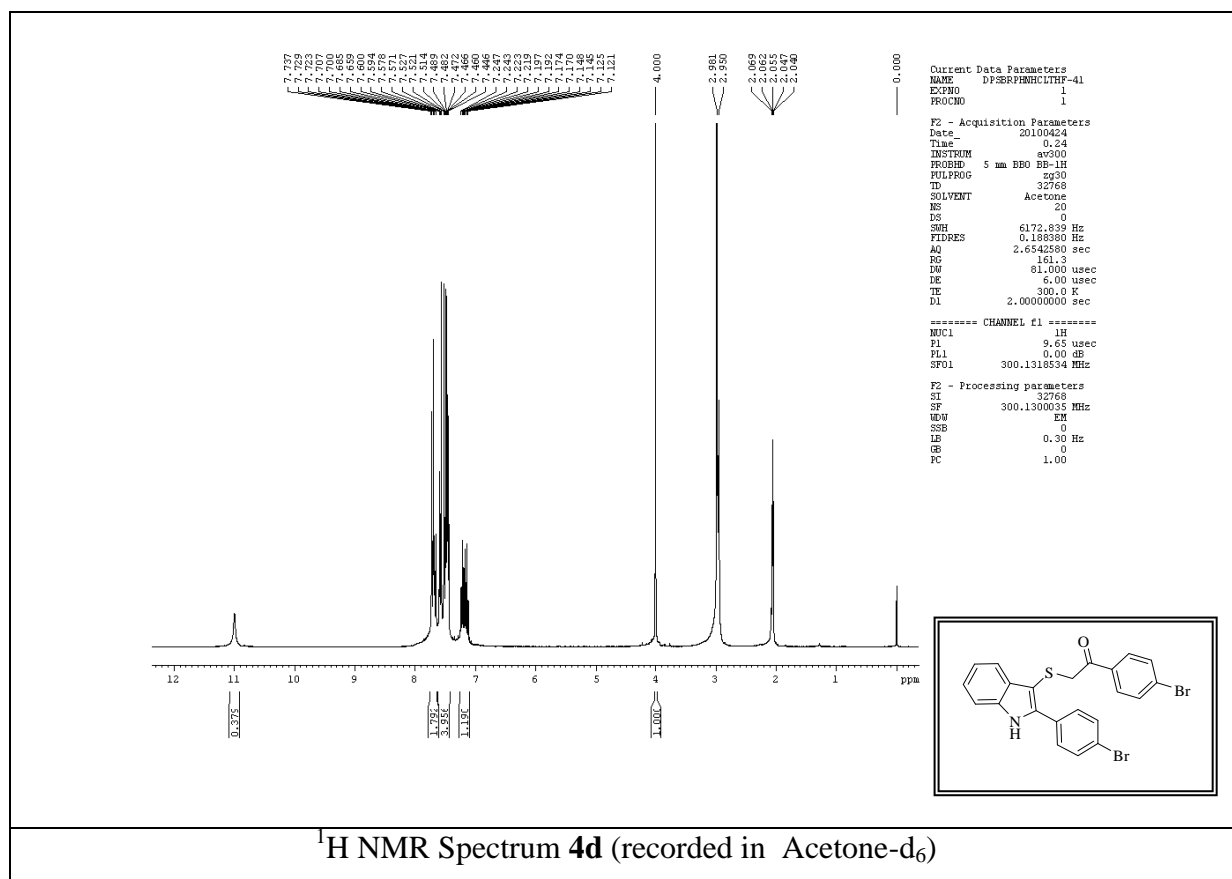
H,H-COSY Spectrum of **3b**

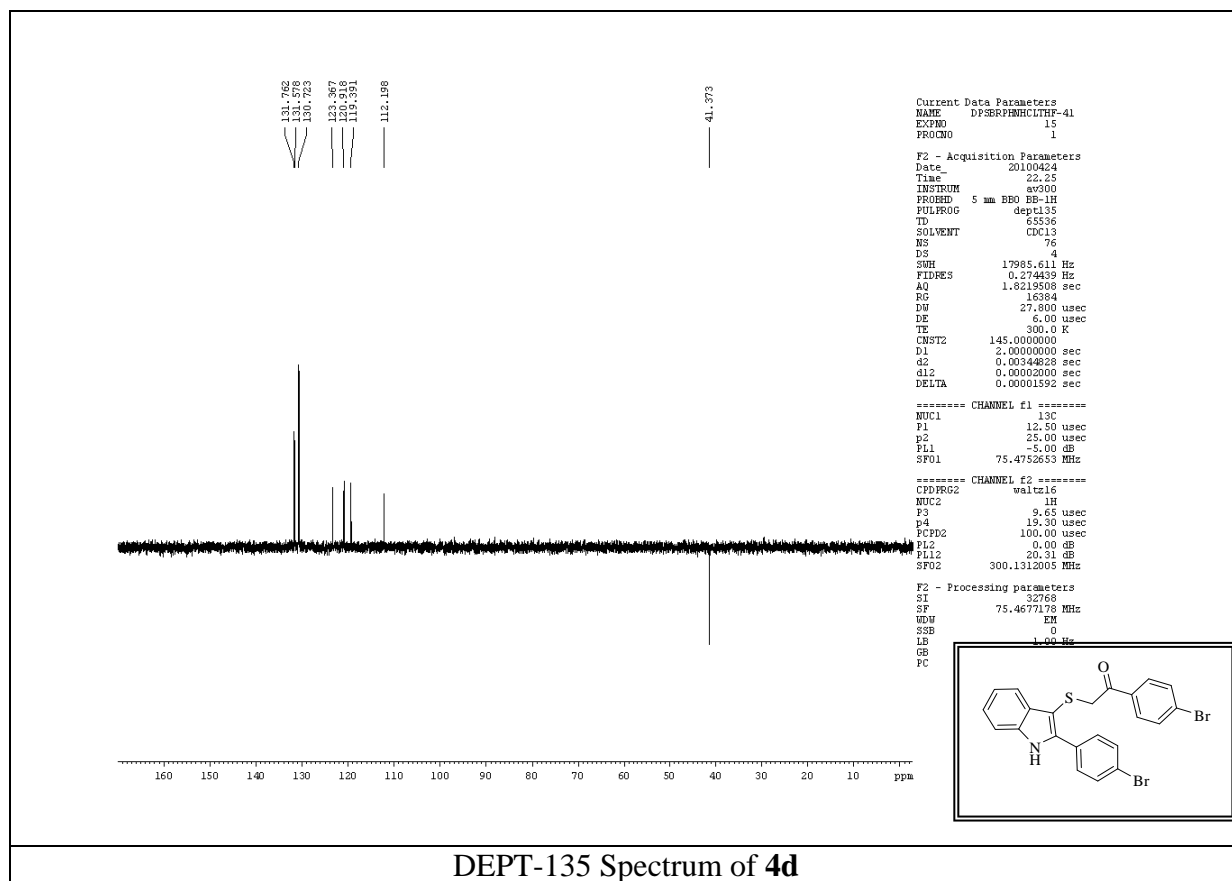
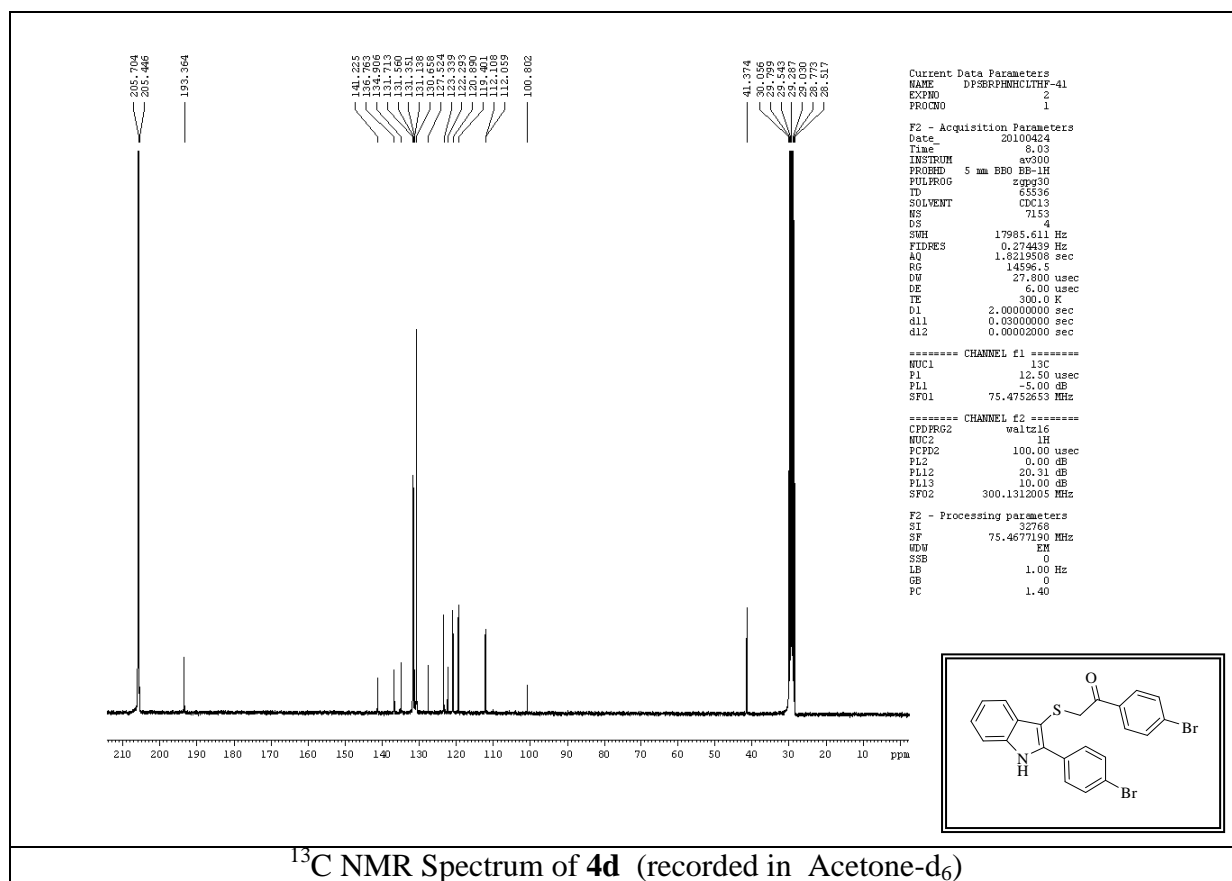


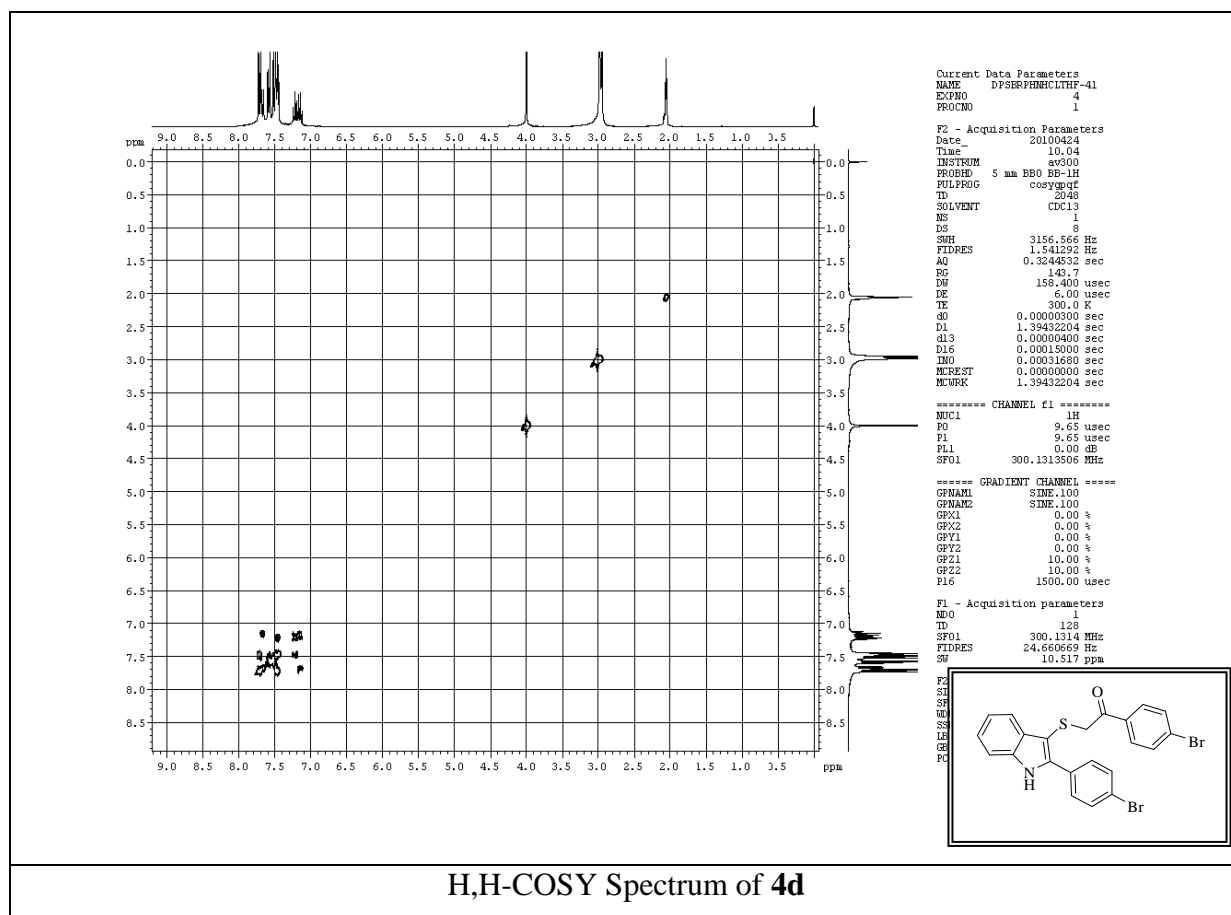
H,H-COSY Spectrum of **3b** (expanded)



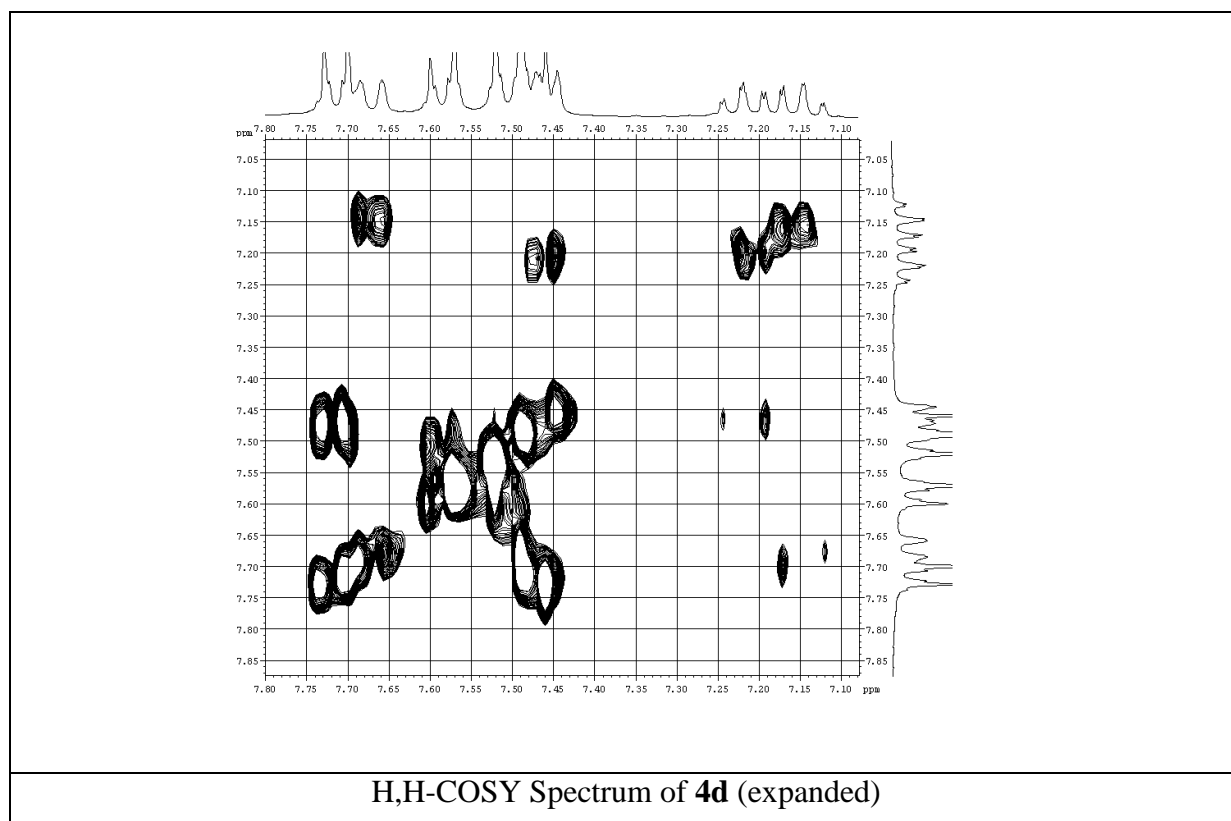




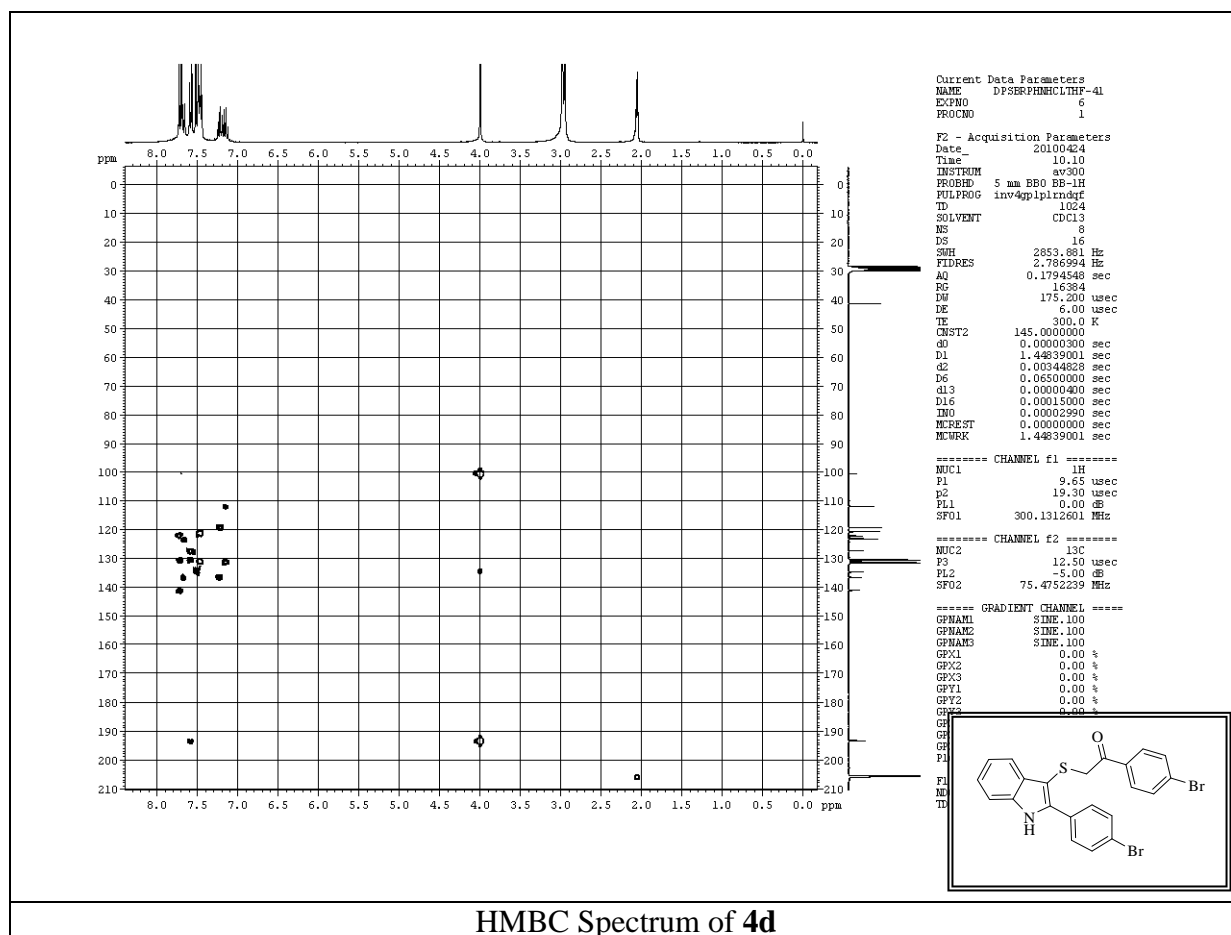




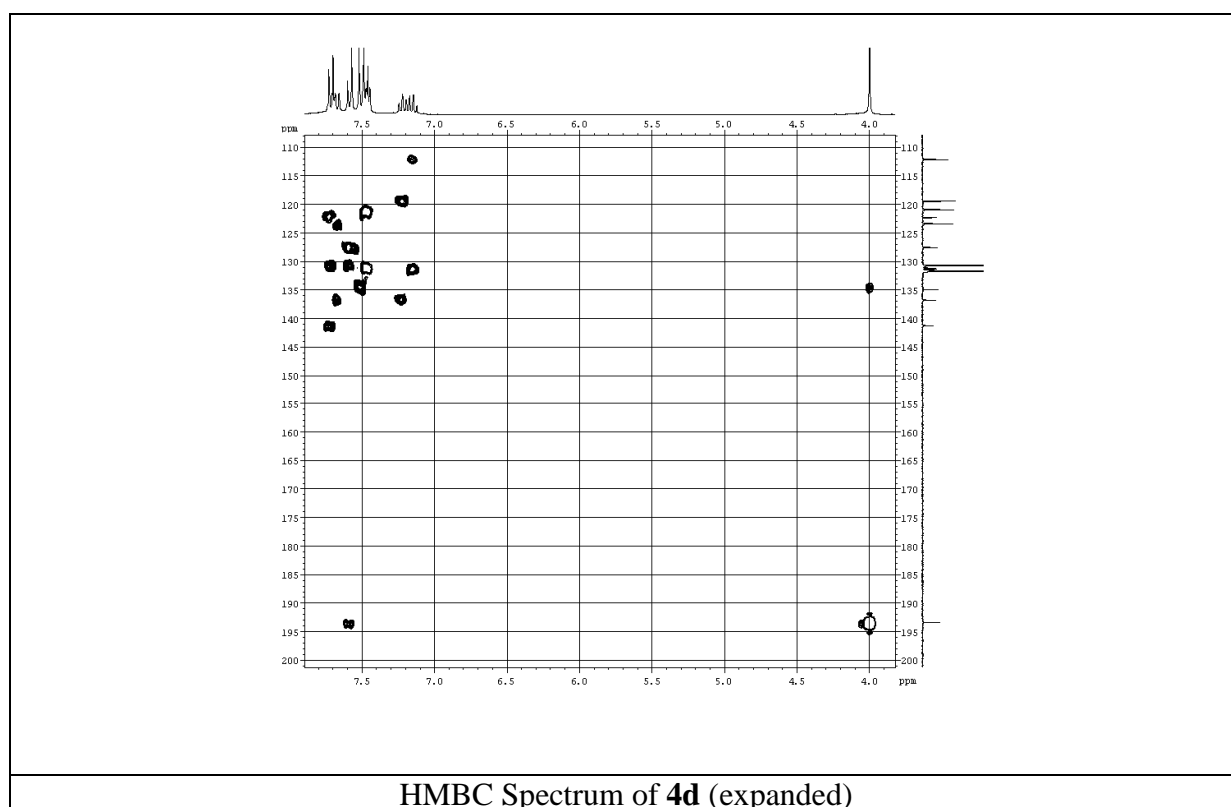
H,H-COSY Spectrum of **4d**



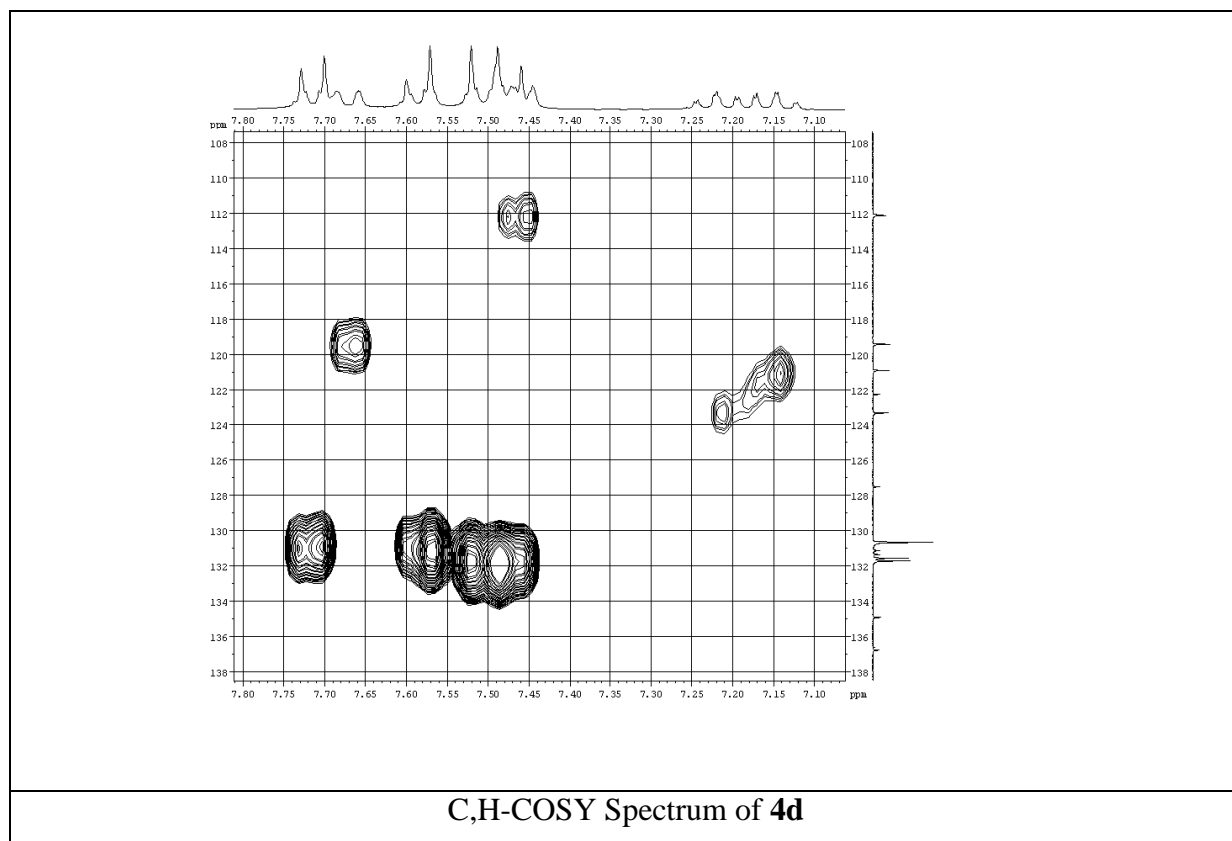
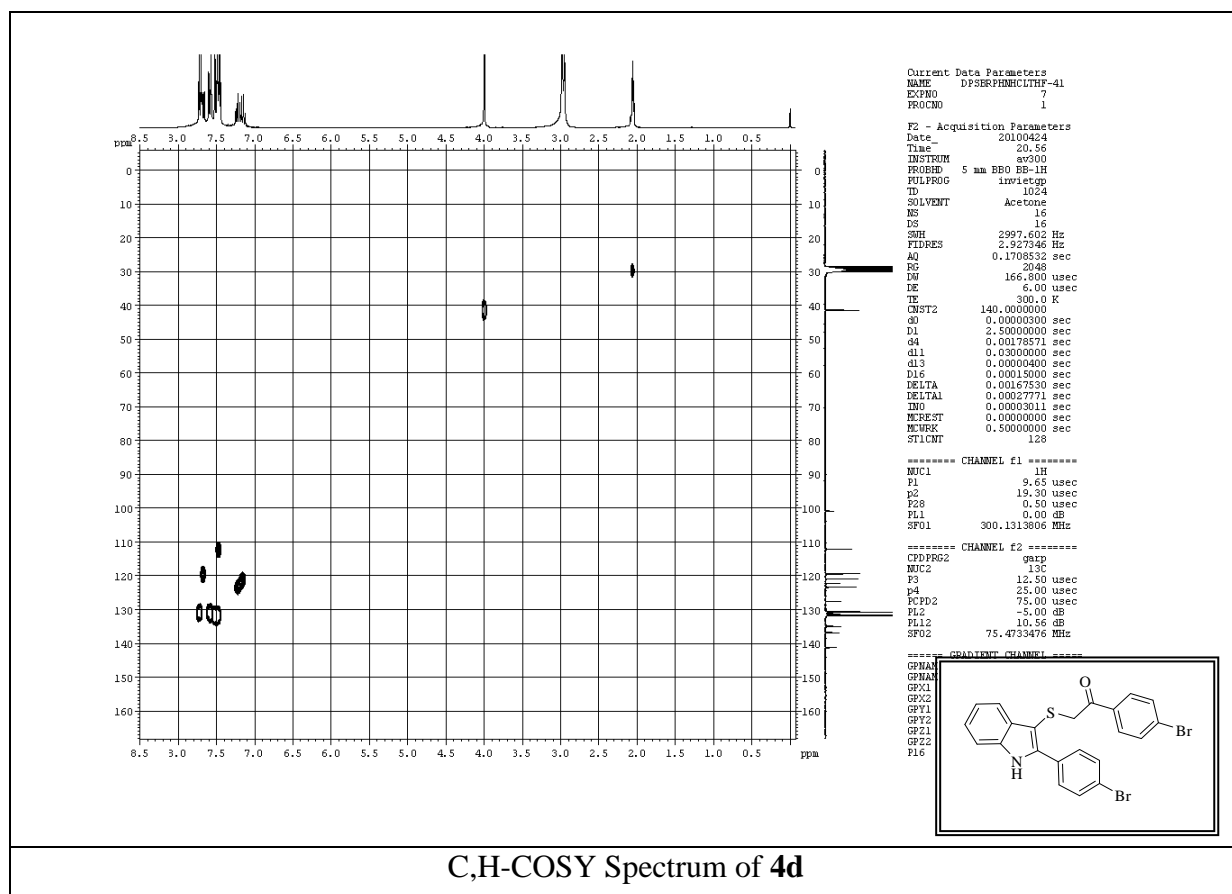
H,H-COSY Spectrum of **4d** (expanded)

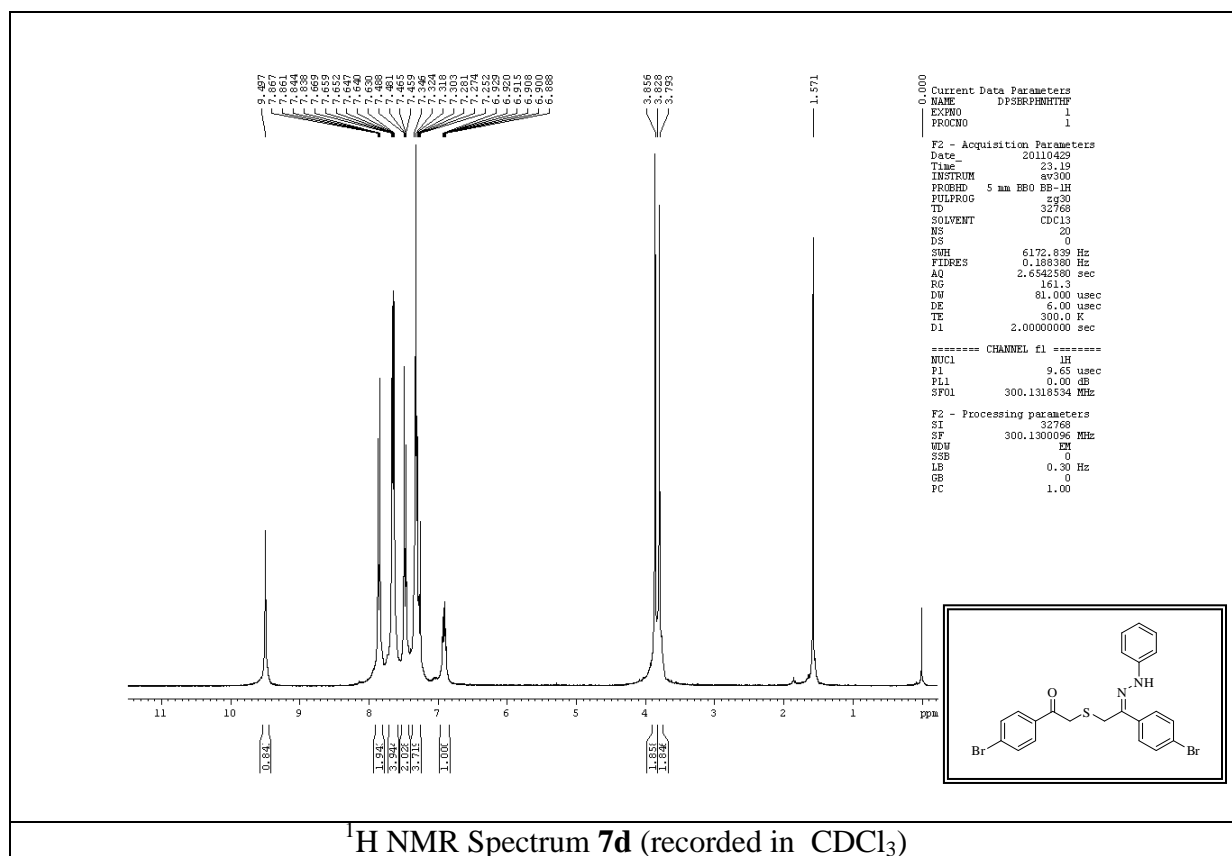


HMBC Spectrum of **4d**

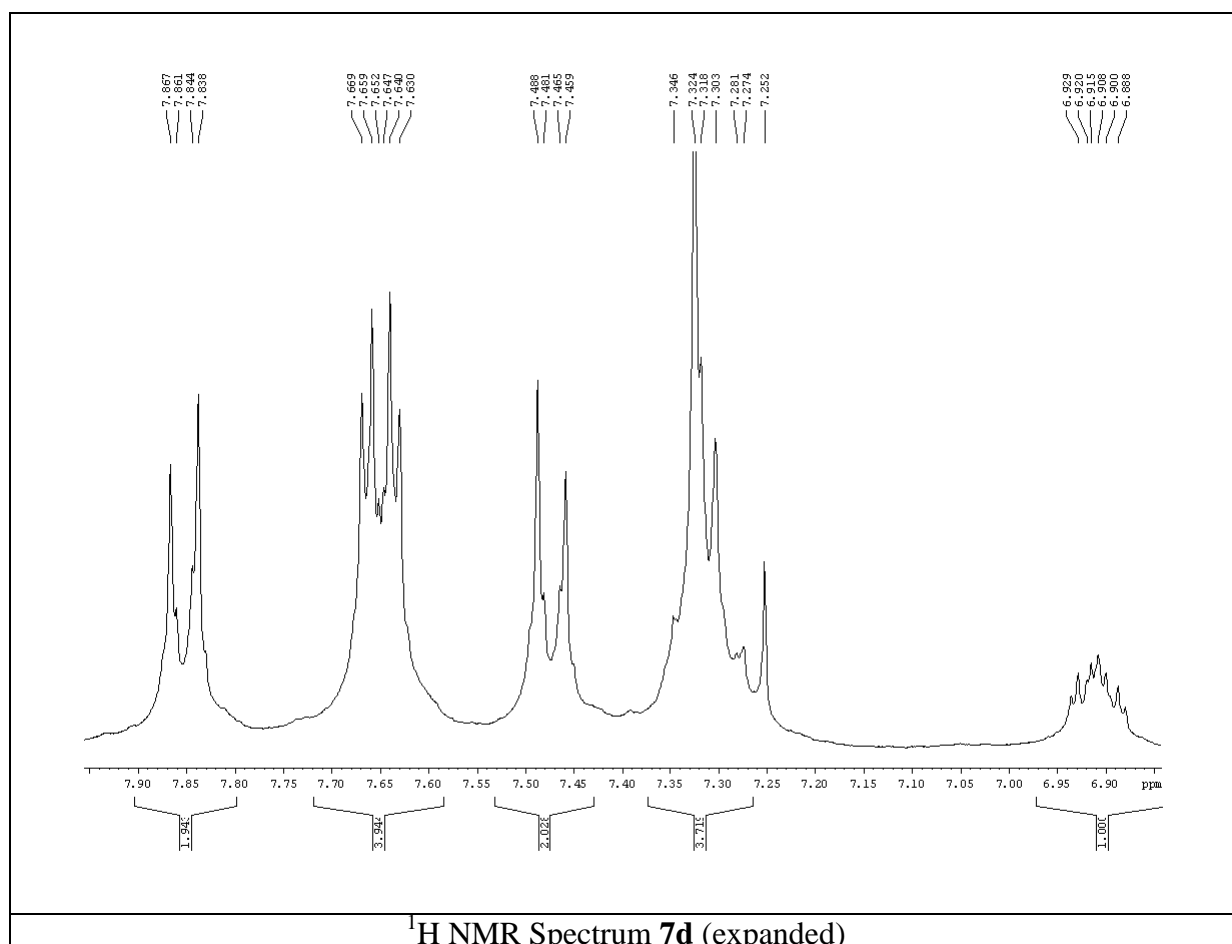


HMBC Spectrum of **4d** (expanded)





¹H NMR Spectrum **7d** (recorded in CDCl₃)



¹H NMR Spectrum **7d** (expanded)

