

Design, Synthesis and Preliminary Antimicrobial Evaluation of *N*-Alkyl Chain Tethered C-5 Functionalized Bis-Isatins

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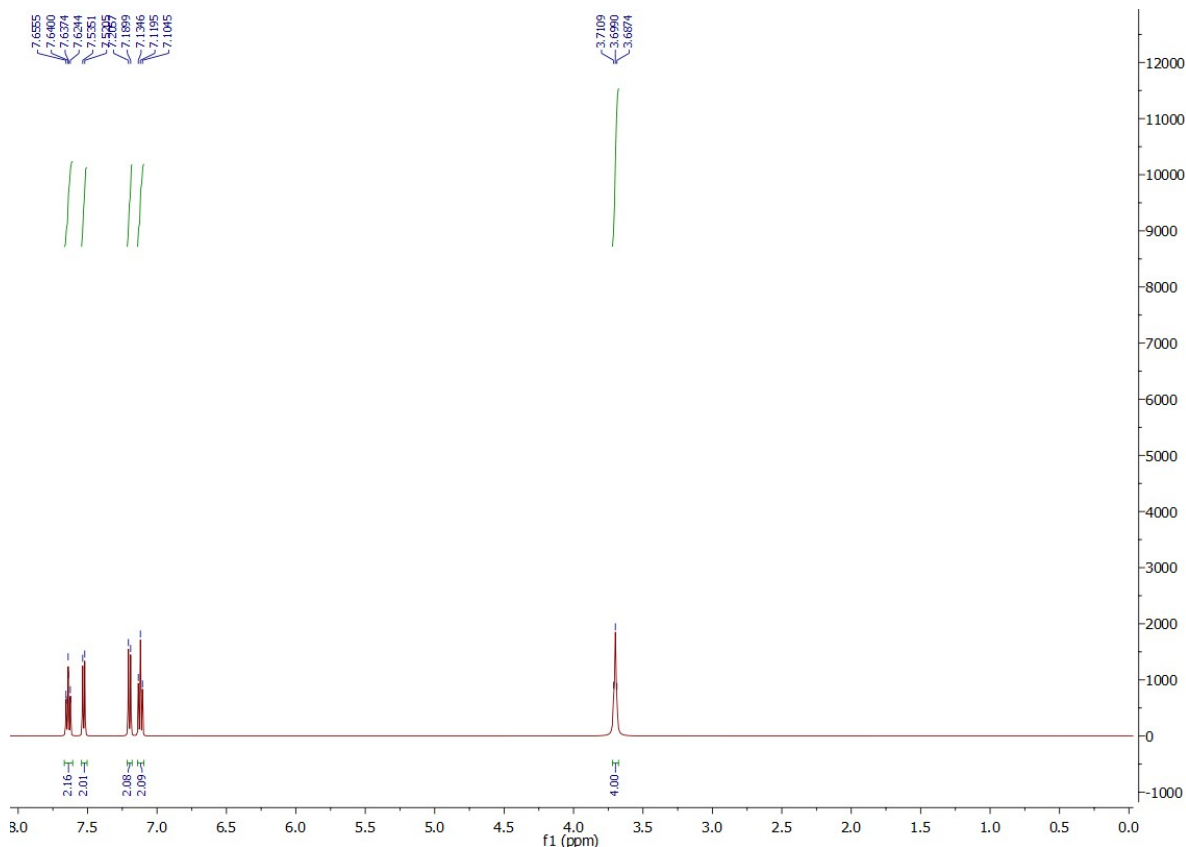
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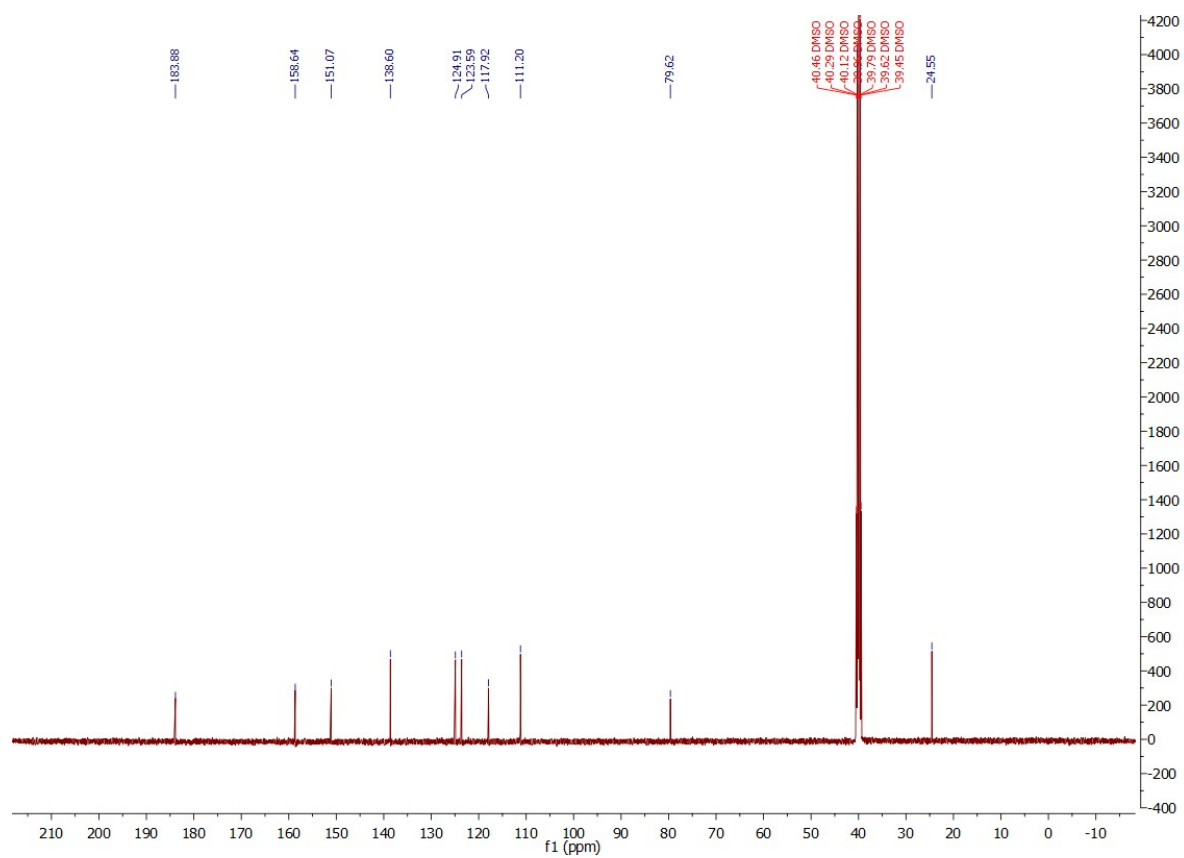
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Scanned (¹H, ¹³C) NMR spectra for the compounds *viz.* 4a, 4e, 4f, 4m, 4n, 4u, 4v.

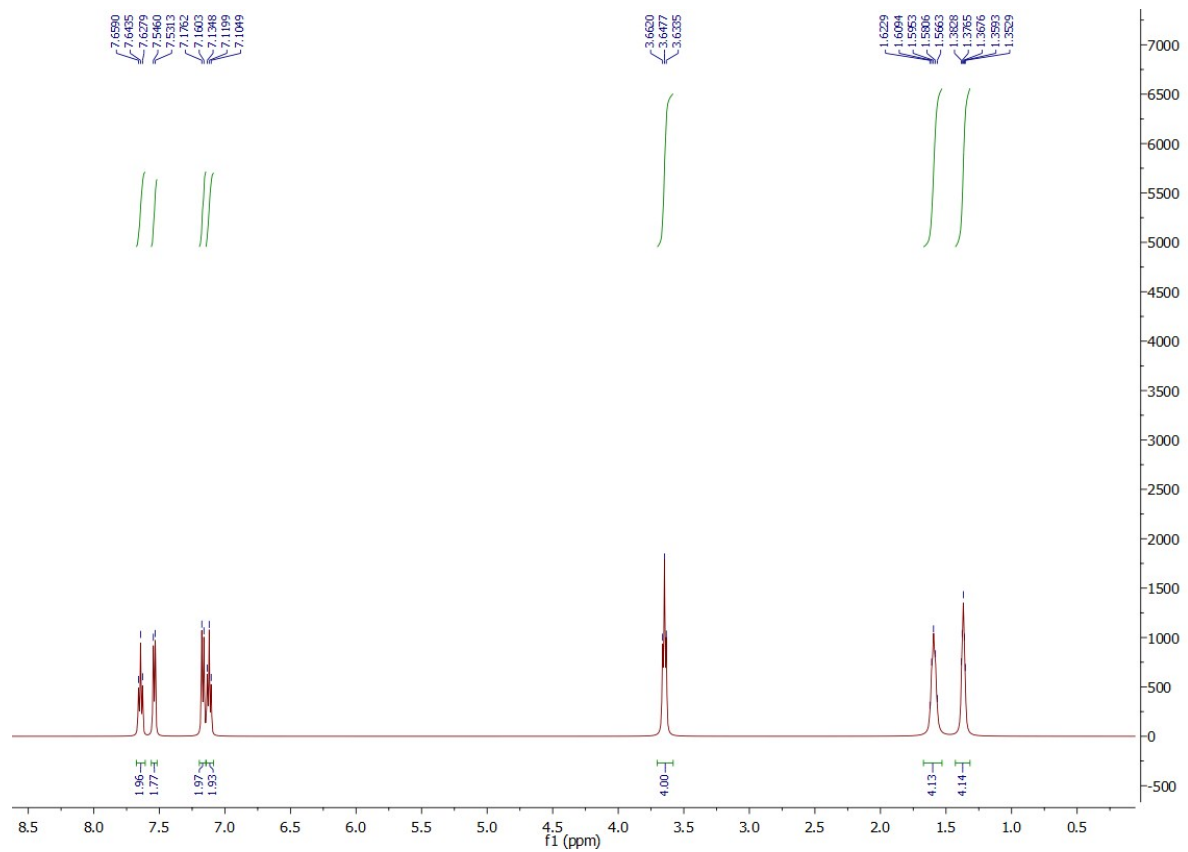
¹H NMR of 1-[2-(2,3-dioxo-2,3-dihydro-indol-1-yl)-ethyl]-1H-indole-2,3-dione(4a)



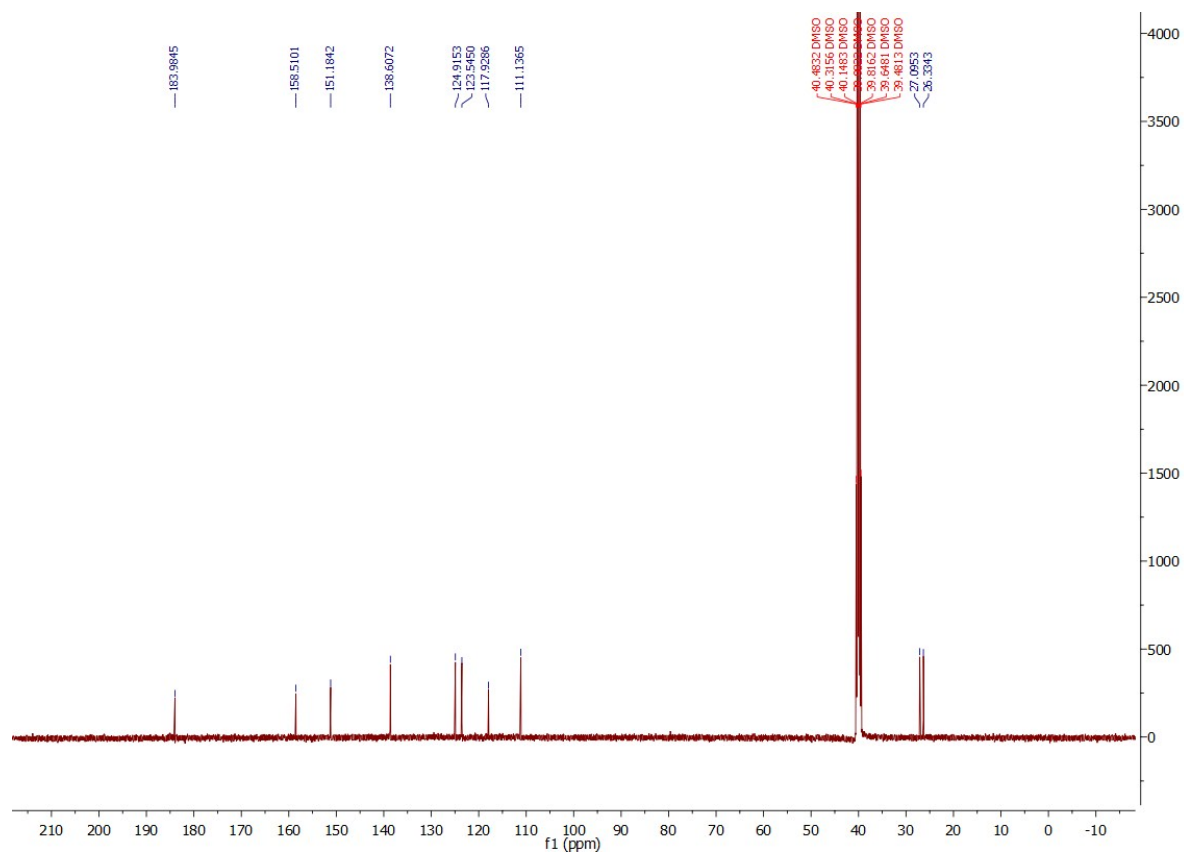
¹³CNMR of 1-[2-(2,3-dioxo-2,3-dihydro-indol-1-yl)-ethyl]-1H-indole-2,3-dione(4a)



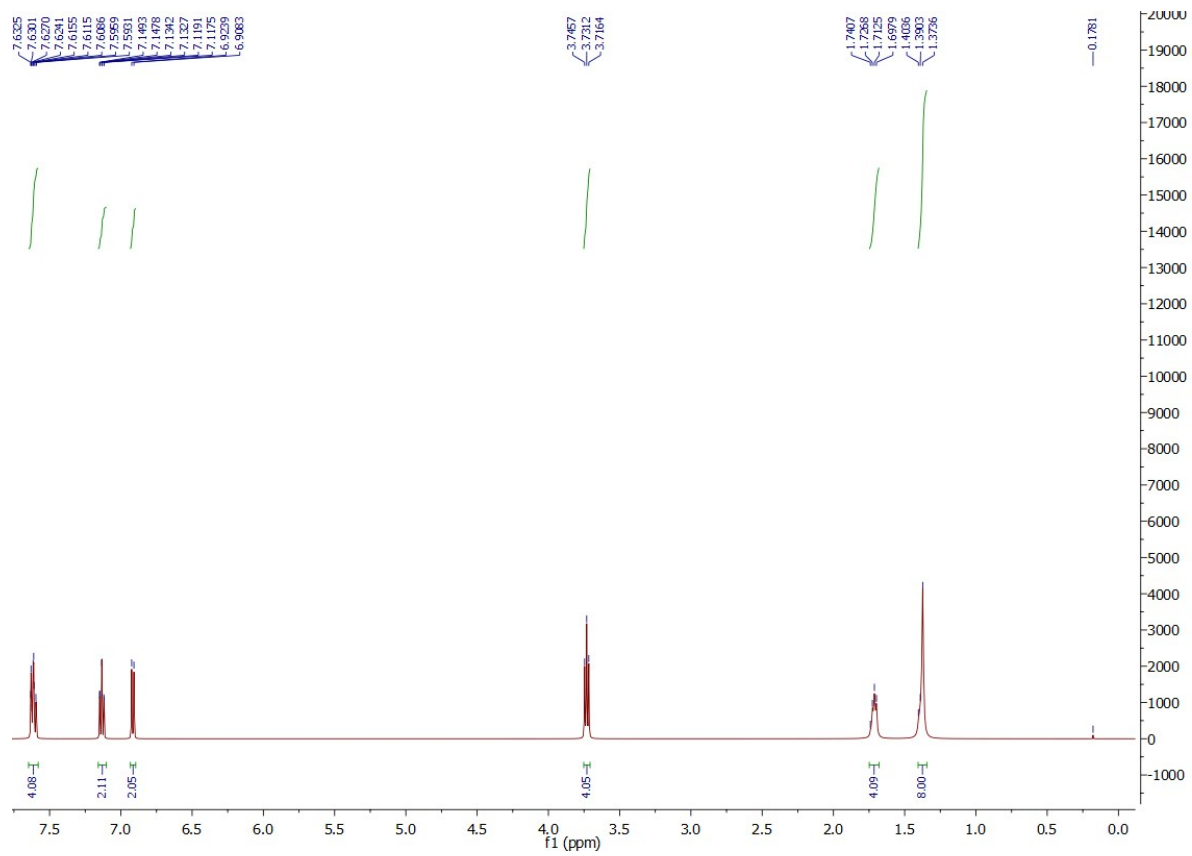
¹H NMR of 1-[6-(2,3-dioxo-2,3-dihydro-indol-1-yl)-hexyl]-1H-indole-2,3-dione(4e):



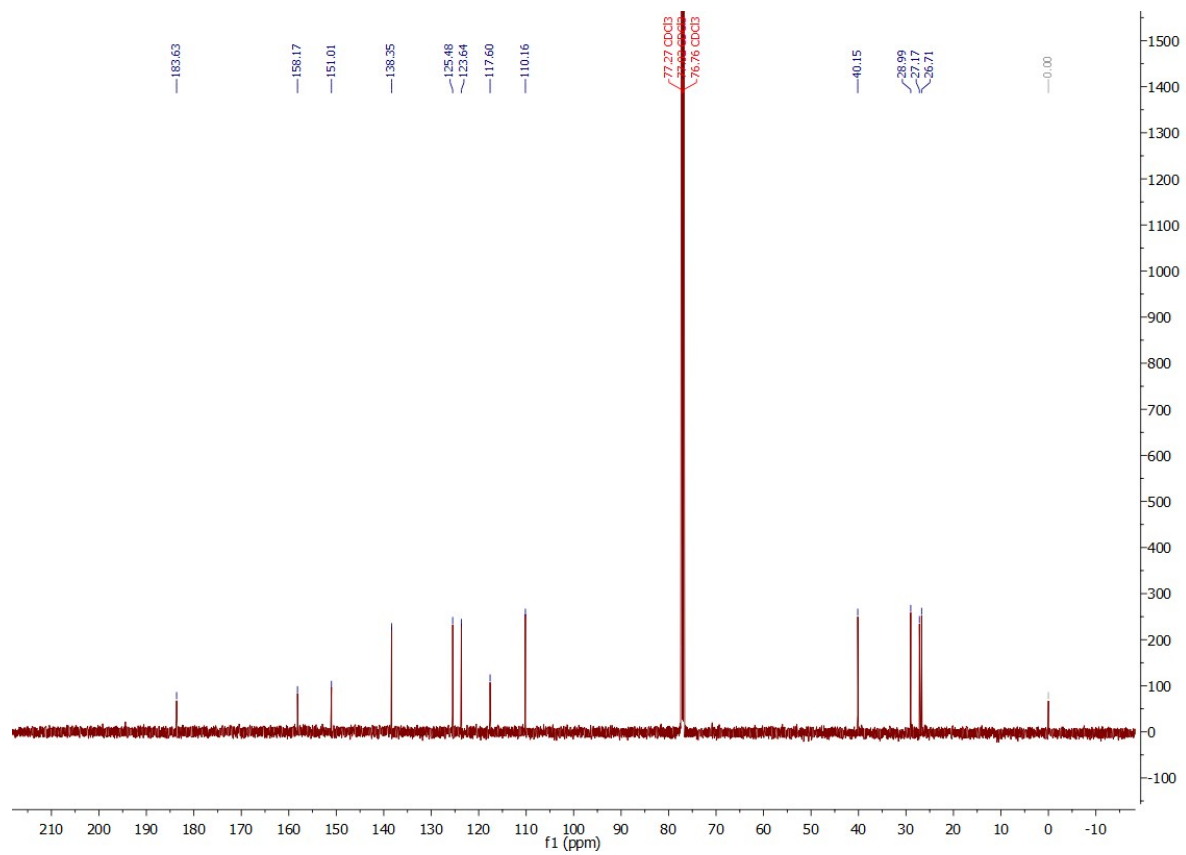
¹³C NMR of 1-[6-(2,3-dioxo-2,3-dihydro-indol-1-yl)-hexyl]-1H-indole-2,3-dione(4e):



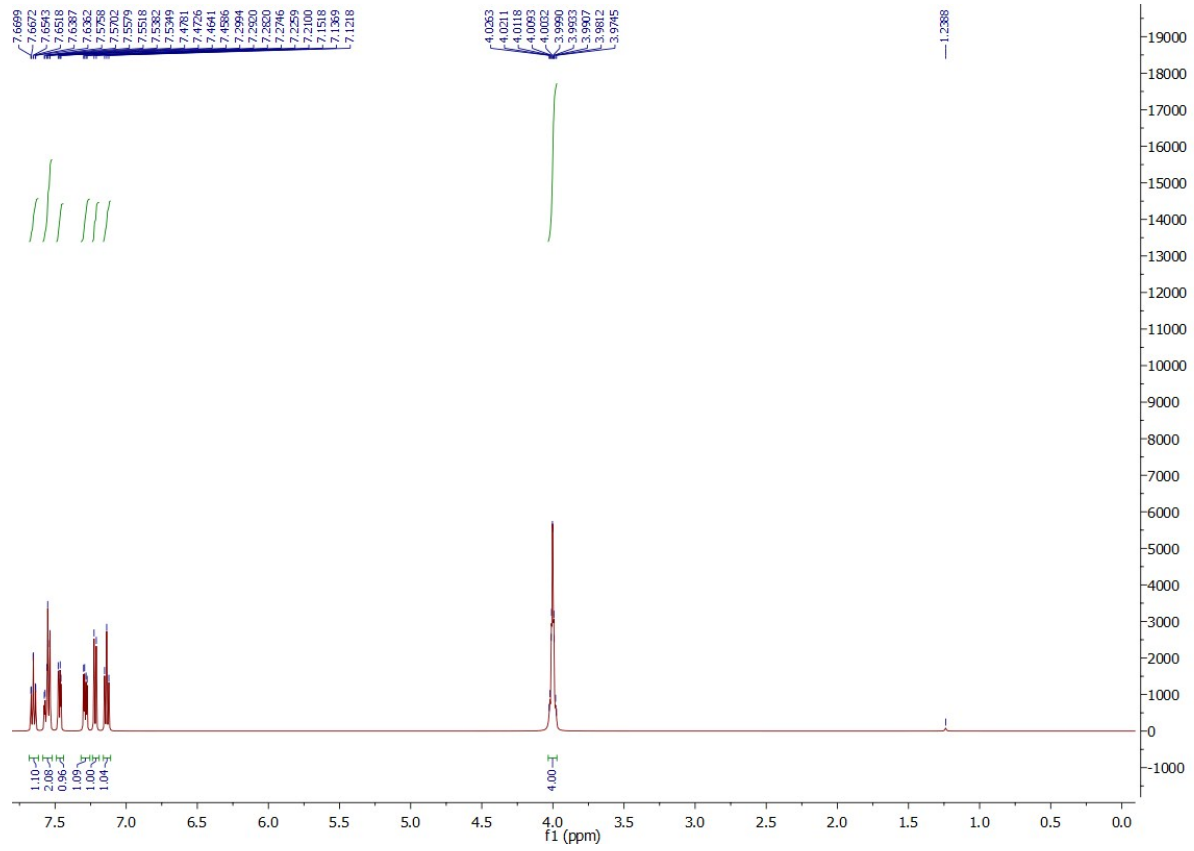
¹H NMR of 1-[8-(2,3-dioxo-2,3-dihydro-indol-1-yl)-octyl]-1H-indole-2,3-dione(4f):



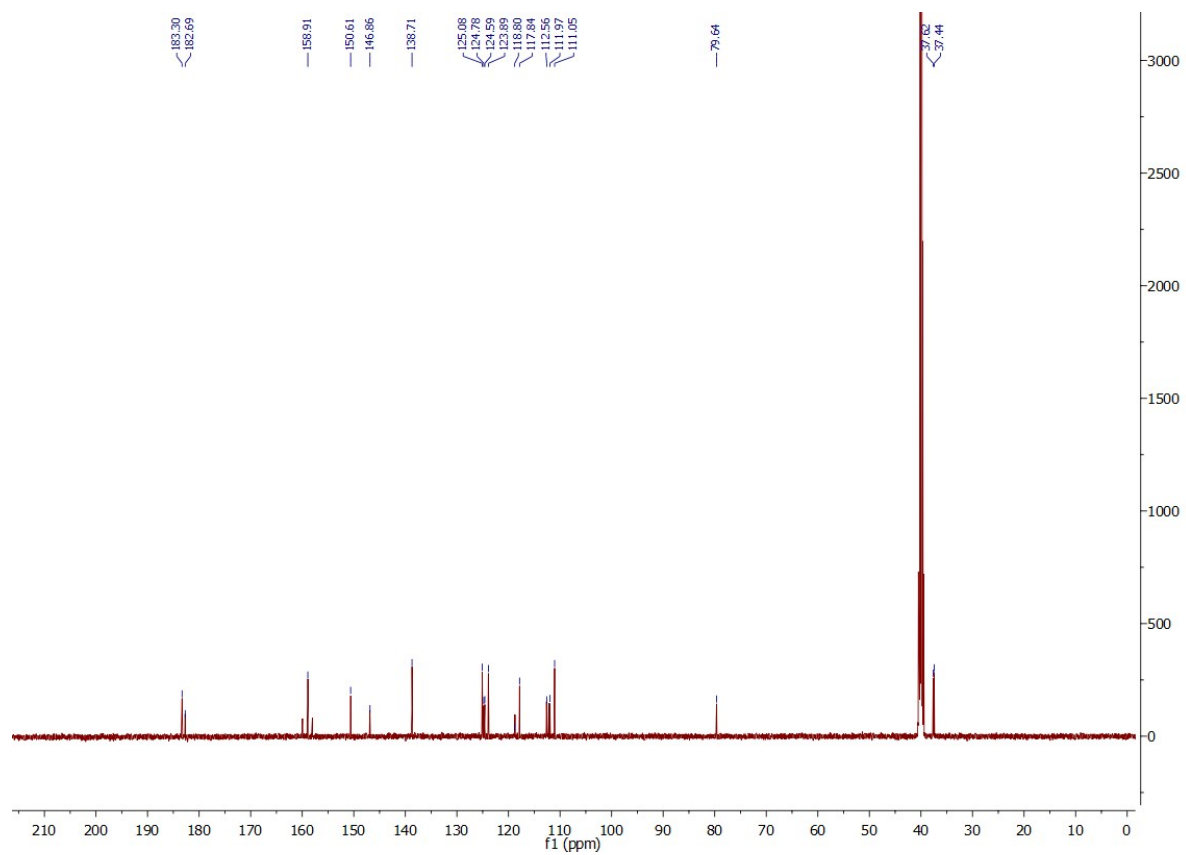
¹³C NMR of 1-[8-(2,3-dioxo-2,3-dihydro-indol-1-yl)-octyl]-1H-indole-2,3-dione(4f):



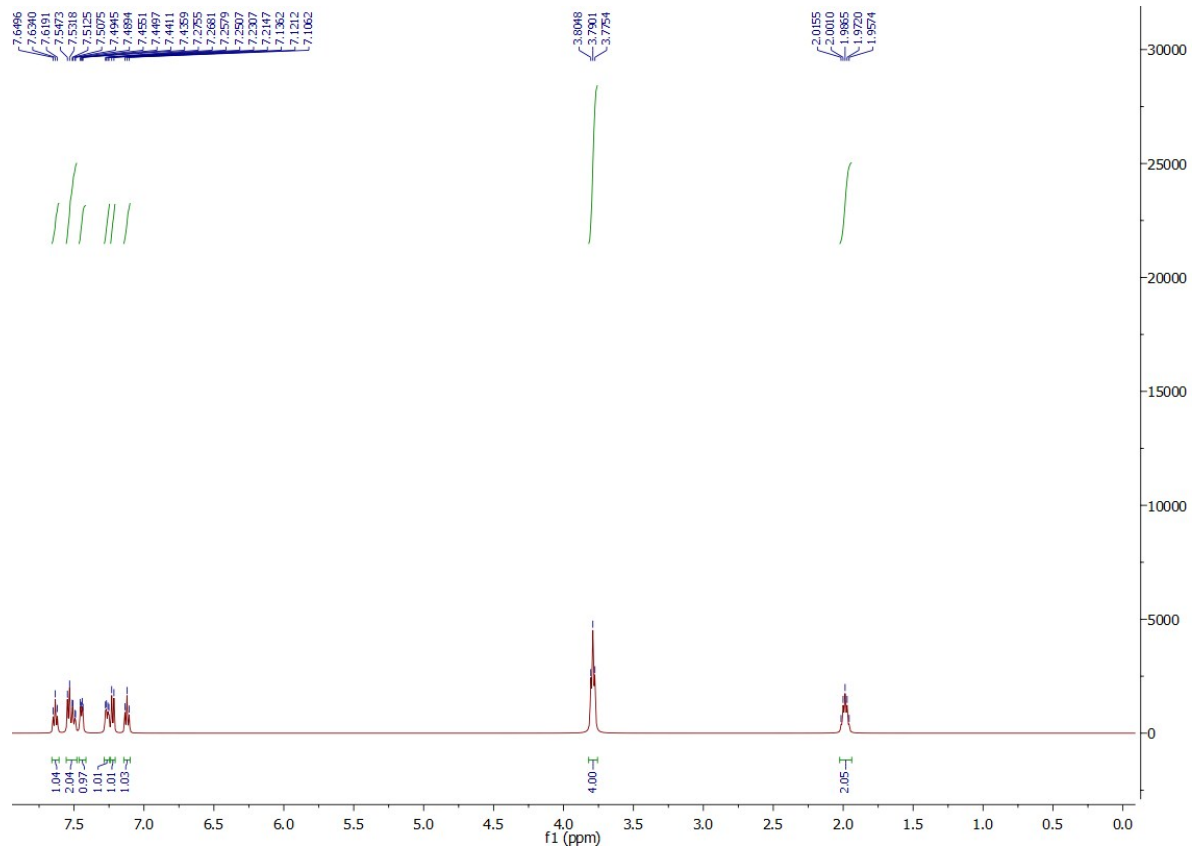
¹H NMR of 1-[2-(2,3-Dioxo-2,3-dihydro-indol-1-yl)-ethyl]-5-fluoro-1H-indole-2,3-dione(4m)



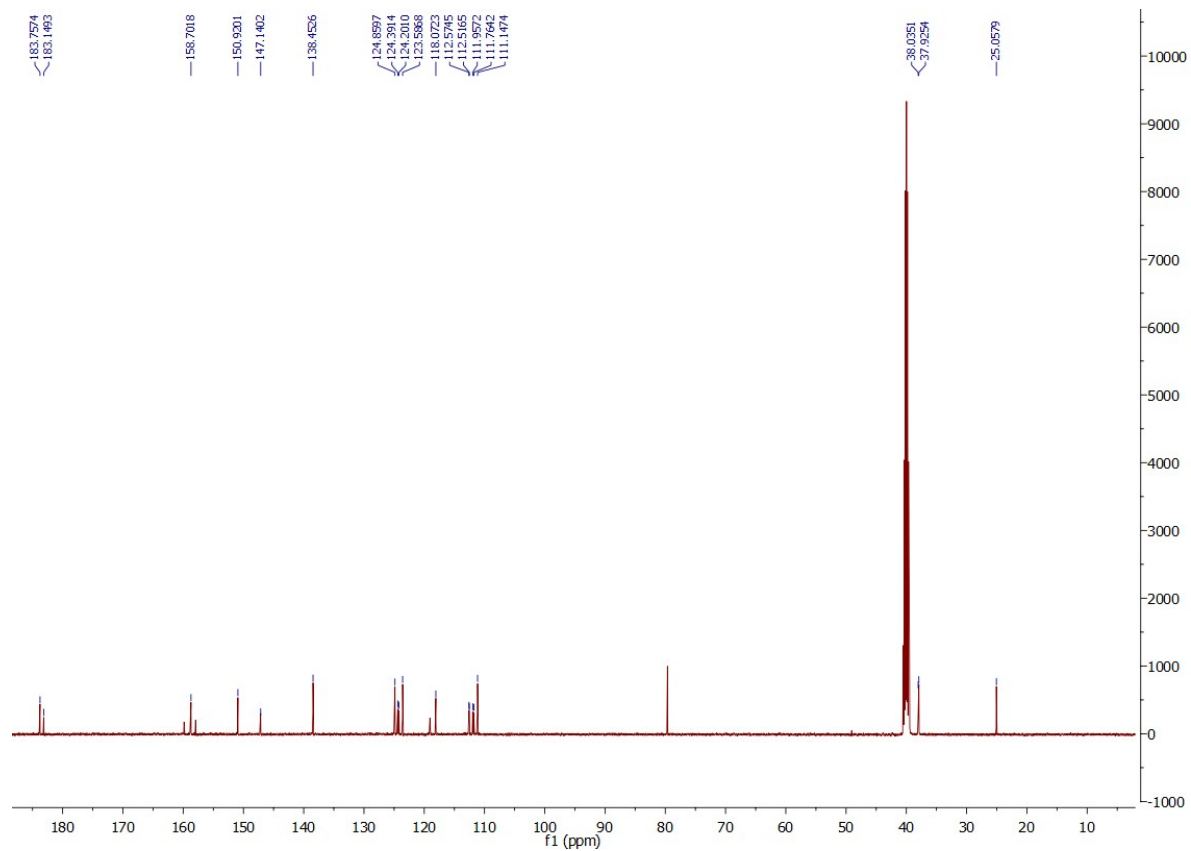
¹³C NMR of 1-[2-(2,3-Dioxo-2,3-dihydro-indol-1-yl)-ethyl]-5-fluoro-1H-indole-2,3-dione(4m)



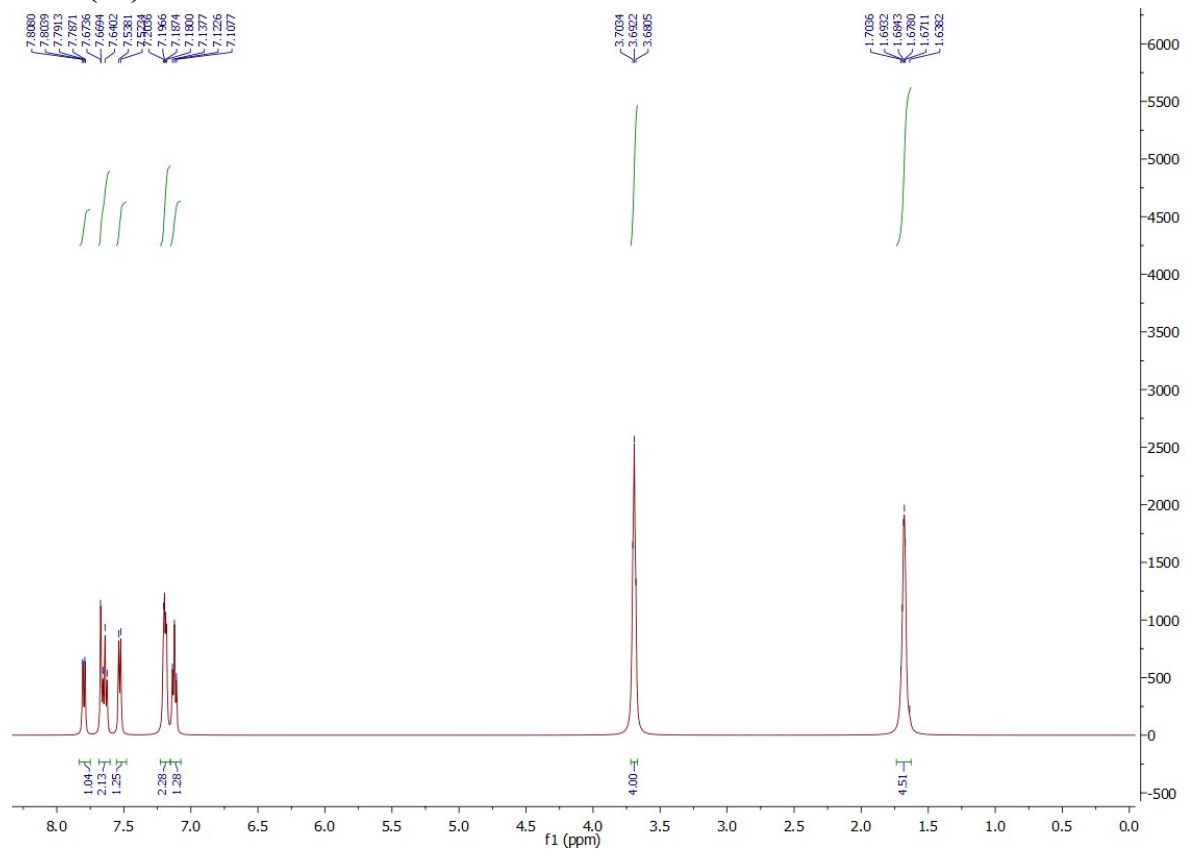
¹H NMR of 1-[3-(2,3-Dioxo-2,3-dihydro-indol-1-yl)-propyl]-5-fluoro-1H-indole-2,3-dione(4n):



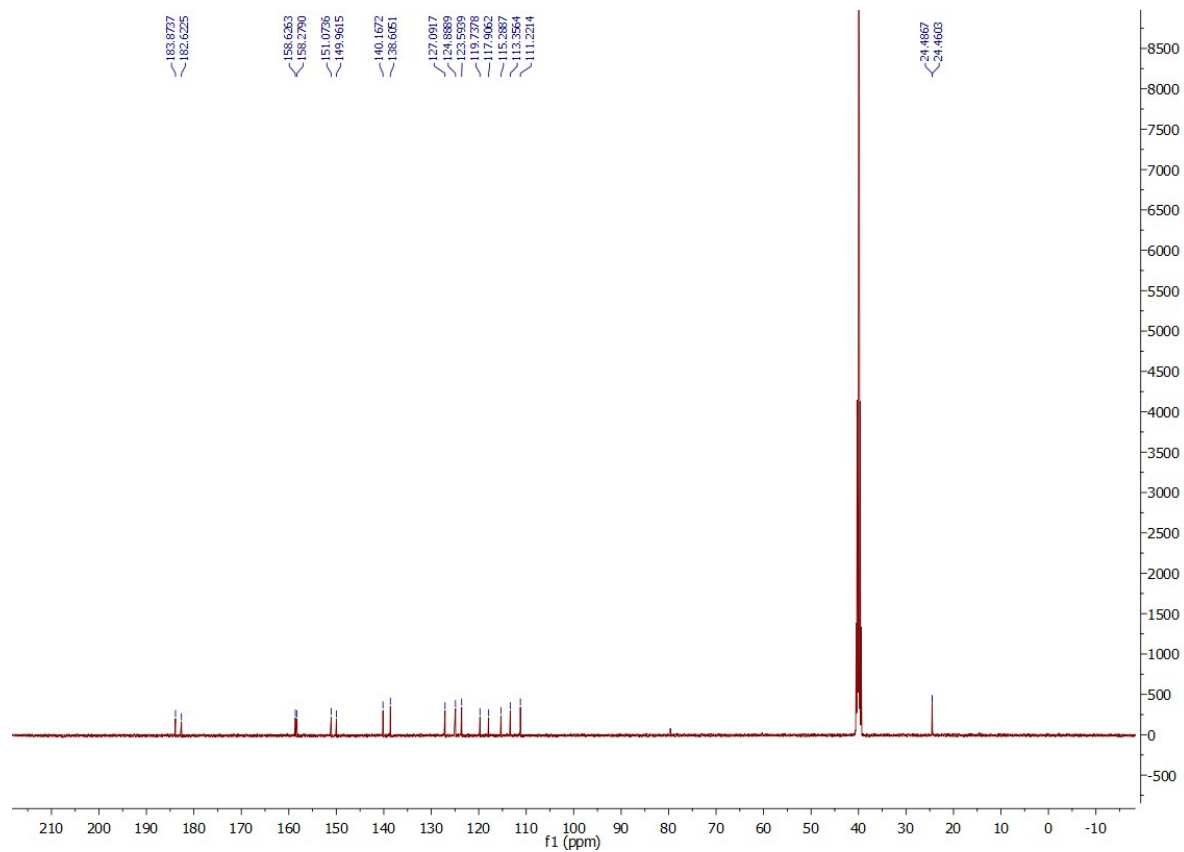
¹³C of NMR 1-[3-(2,3-Dioxo-2,3-dihydro-indol-1-yl)-propyl]-5-fluoro-1H-indole-2,3-dione(4n):



¹H NMR of 5-Bromo-1-[4-(2,3-dioxo-2,3-dihydro-indol-1-yl)-butyl]-1H-indole-2,3-dione(4u):

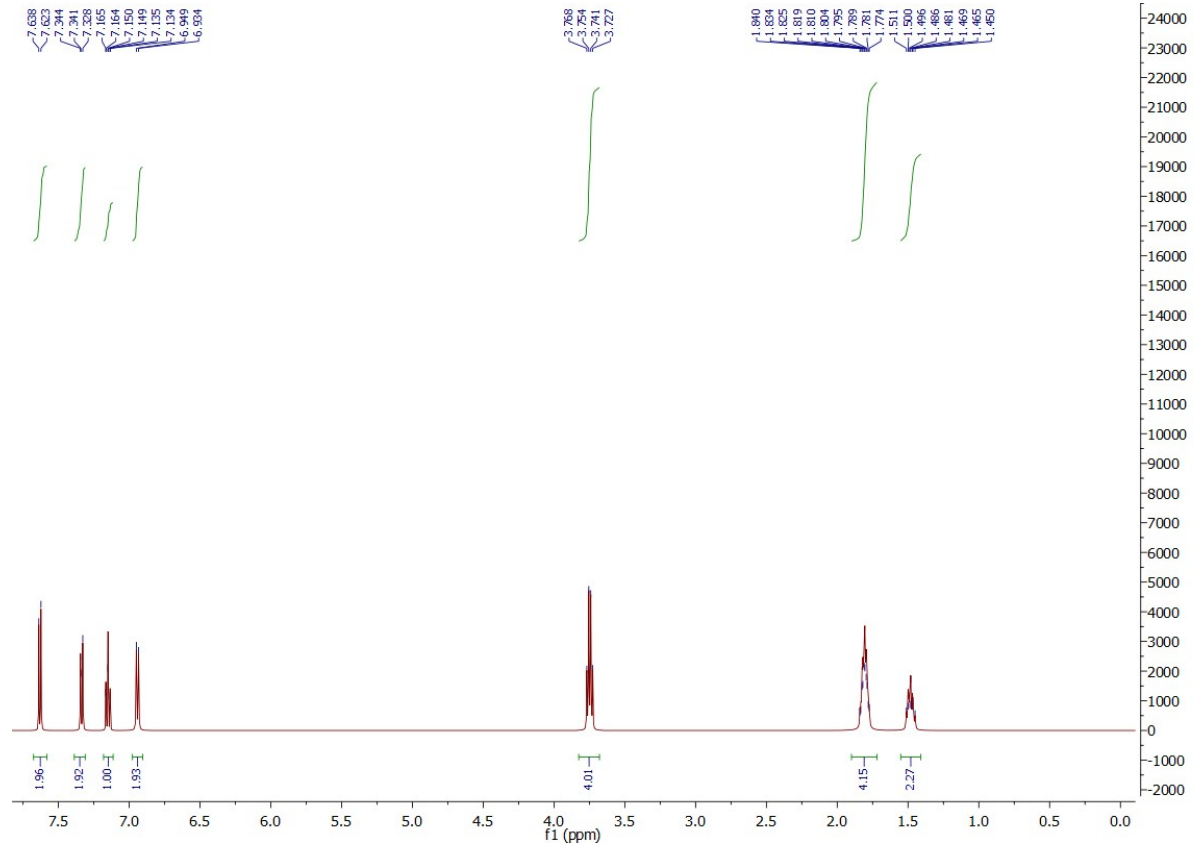


¹³C NMR of NMR of 5-Bromo-1-[4-(2,3-dioxo-2,3-dihydro-indol-1-yl)-butyl]-1H-indole-2,3-dione(4u):



¹H of NMR5-Bromo-1-[5-(2,3-dioxo-2,3-dihydro-indol-1-yl)-pentyl]-1H-indole-2,3-dione

(4v):



¹³CNMR 5-Bromo-1-[5-(2,3-dioxo-2,3-dihydro-indol-1-yl)-pentyl]-1H-indole-2,3-dione (4v):

