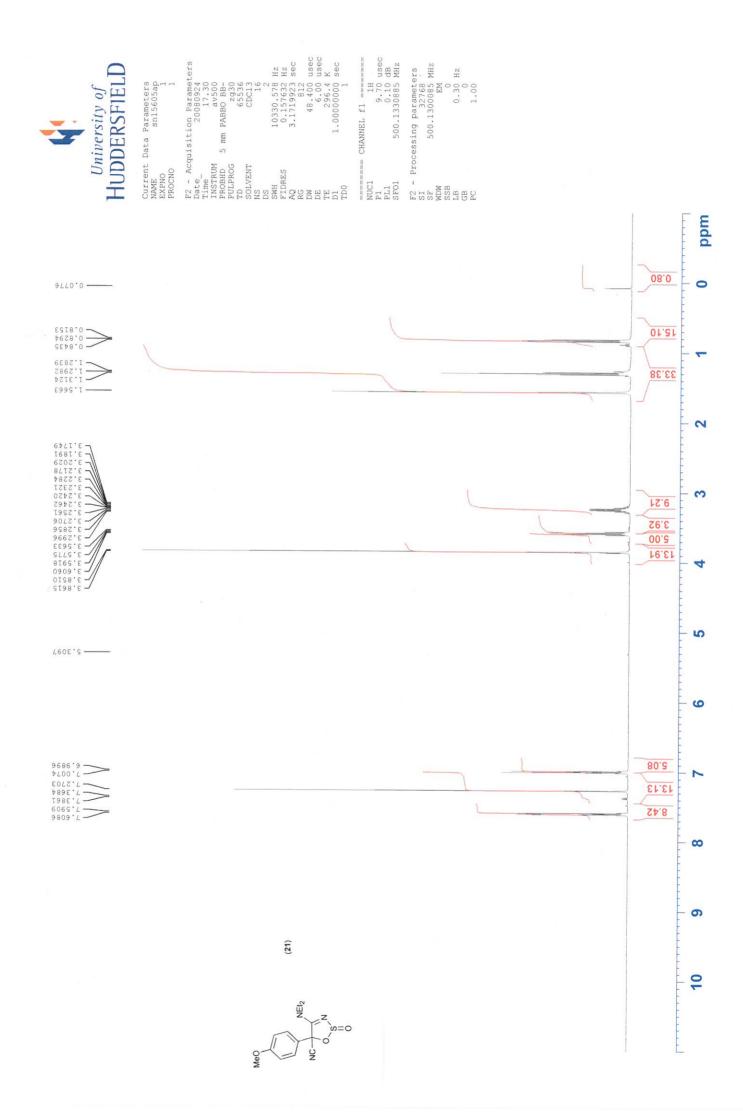
Electronic Supplementary Material (ESI) for Organic & Biomolecular Chemistry. This journal is © The Royal Society of Chemistry 2016

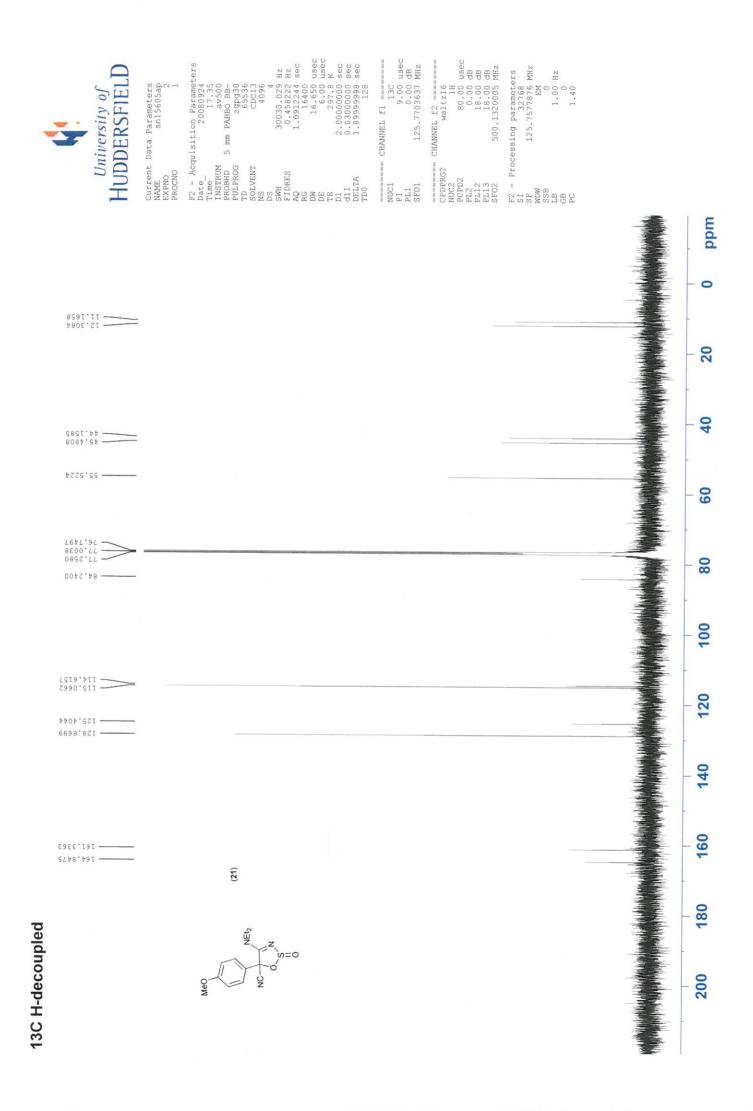
## Synthesis, Conformation and Antiproliferative Activity of Isothiazoloisoxazole 1,1-dioxides

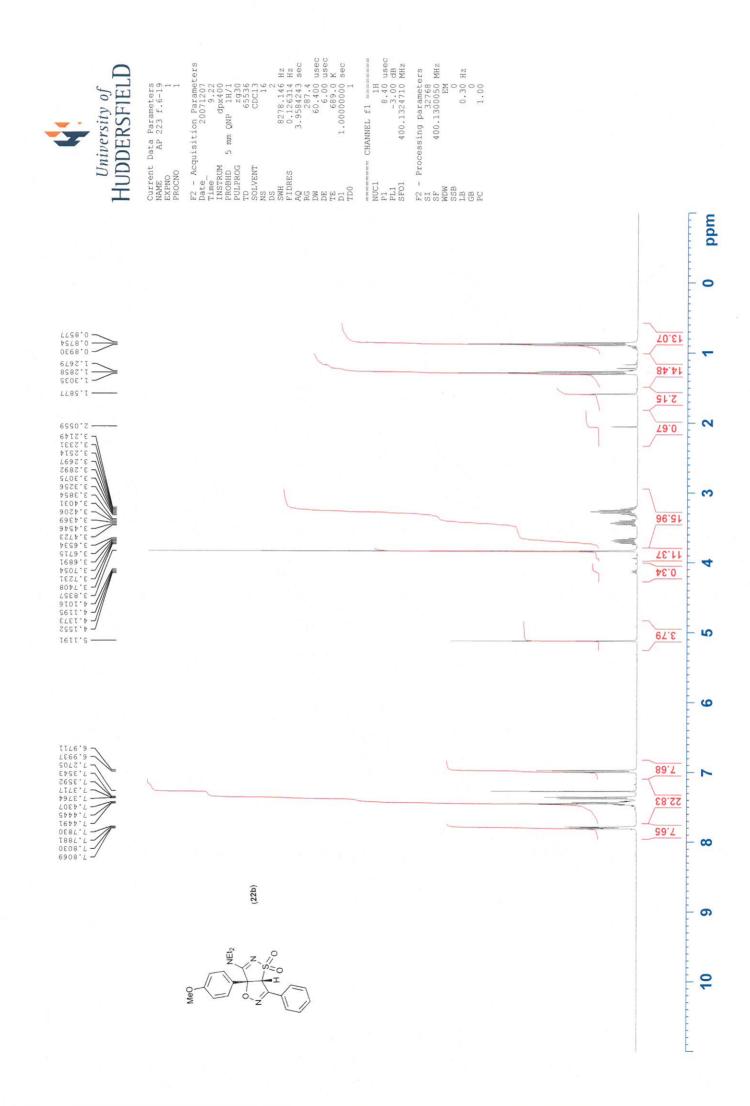
J. Blackburn,<sup>a</sup> G. Molyneaux,<sup>a</sup> A. Pitard,<sup>a</sup> C. R. Rice,<sup>a</sup> M. I. Page,<sup>a</sup> S. Afshinjavid,<sup>c</sup> F. A. Javid,<sup>b</sup> P. N. Horton,<sup>d</sup> S. J. Coles<sup>d</sup> and K. Hemming<sup>a</sup>\*

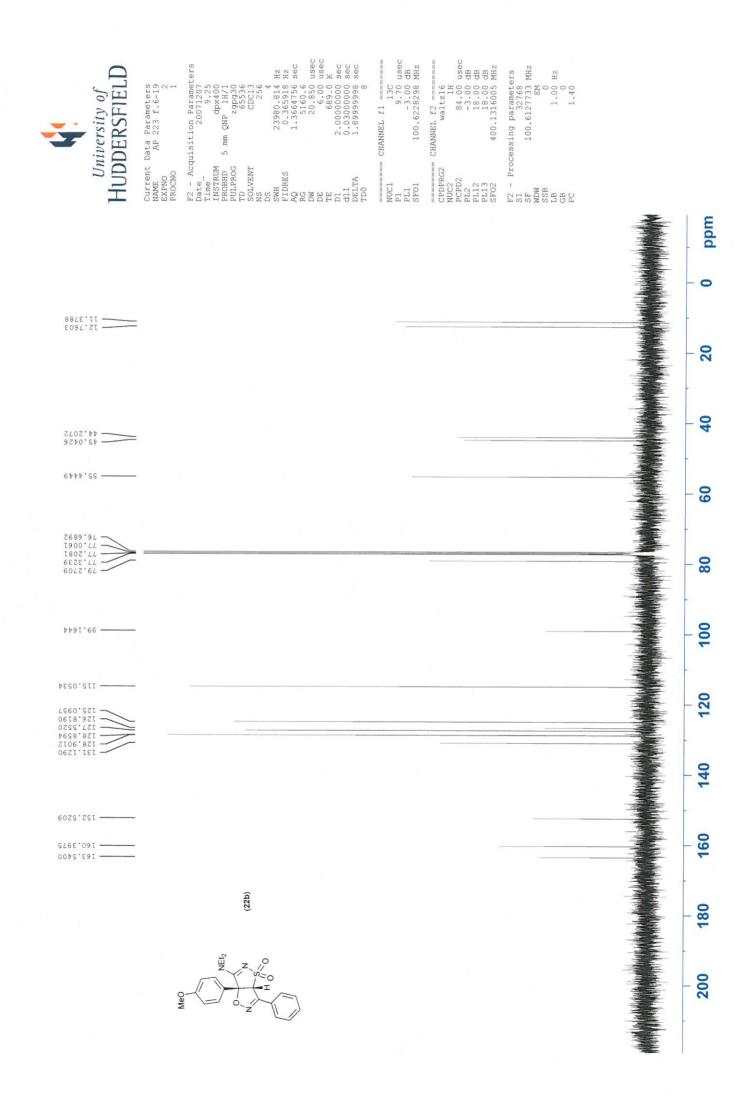
## ELECTRONIC SUPPLEMENTARY INFORMATION FILE 2:

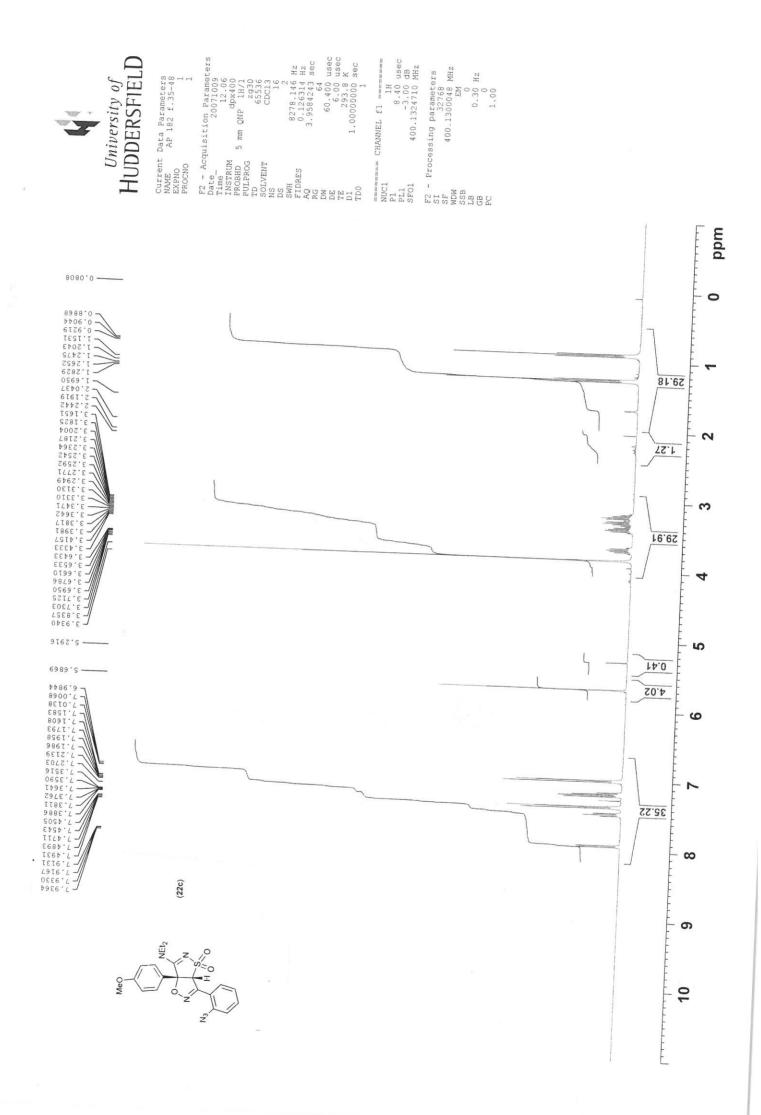
<sup>1</sup>H and <sup>13</sup>C spectra for compounds 21, 22b, 22c, 22f – 22t, 23a/b and 24

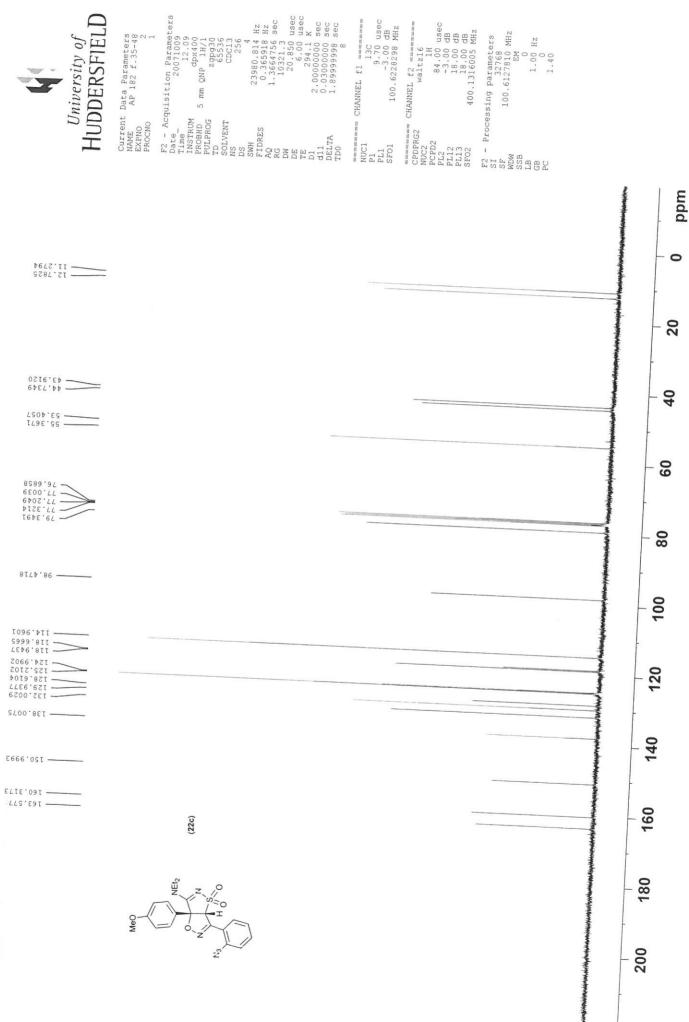


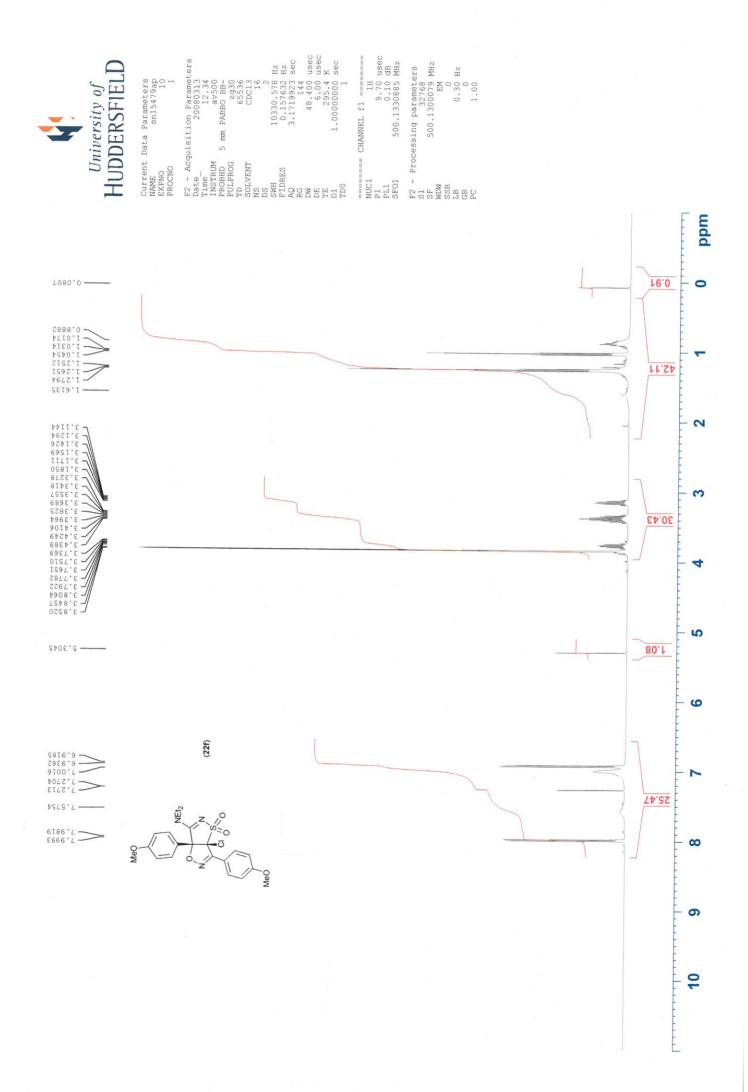


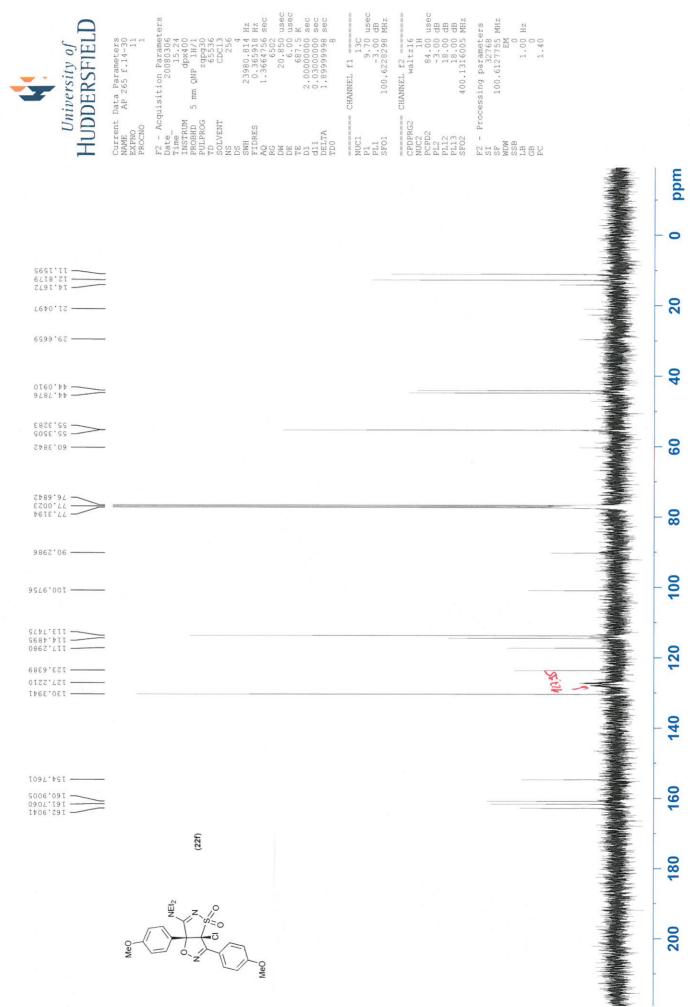


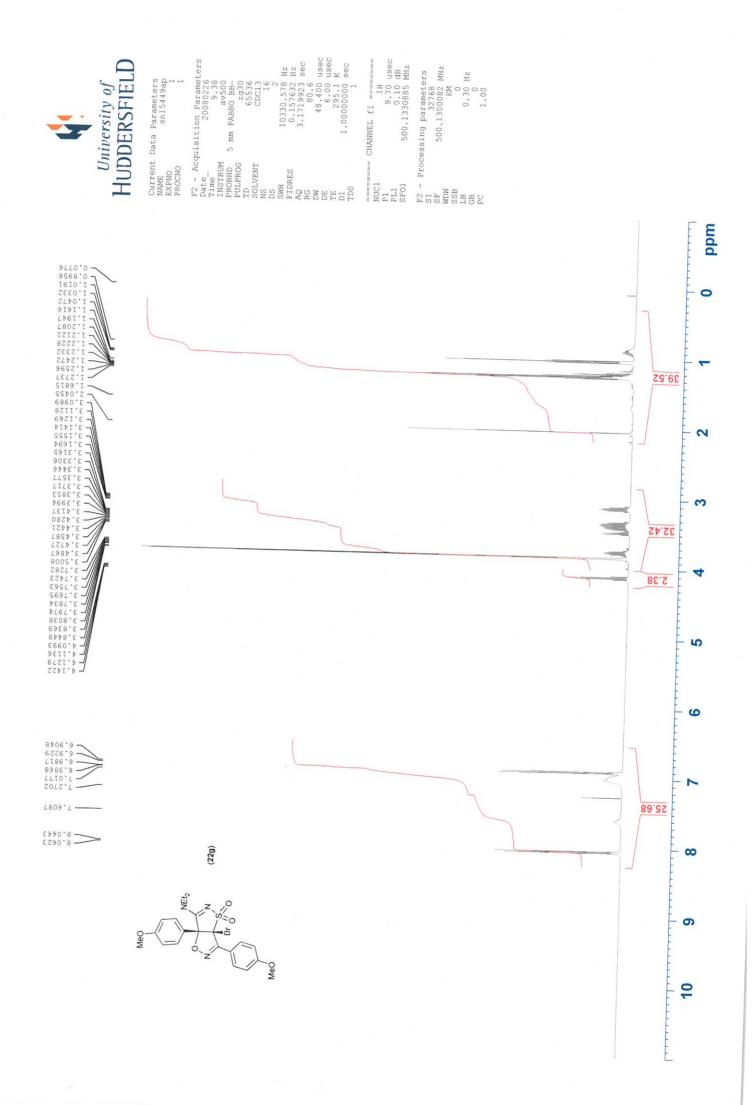


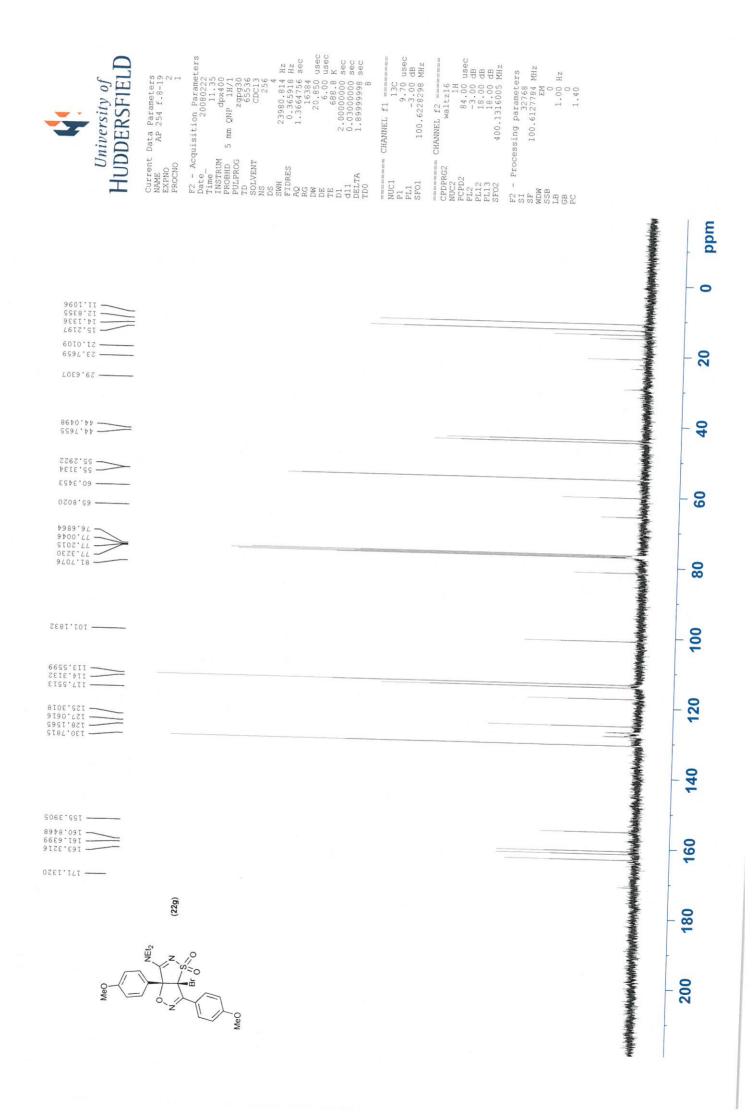


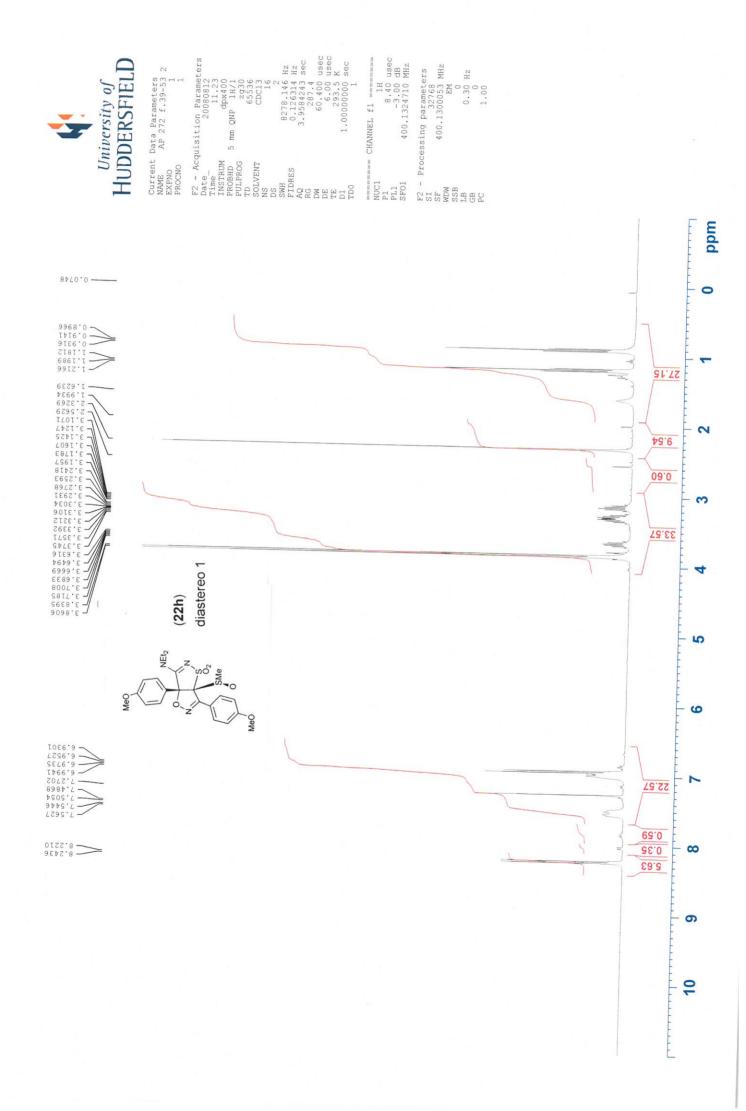




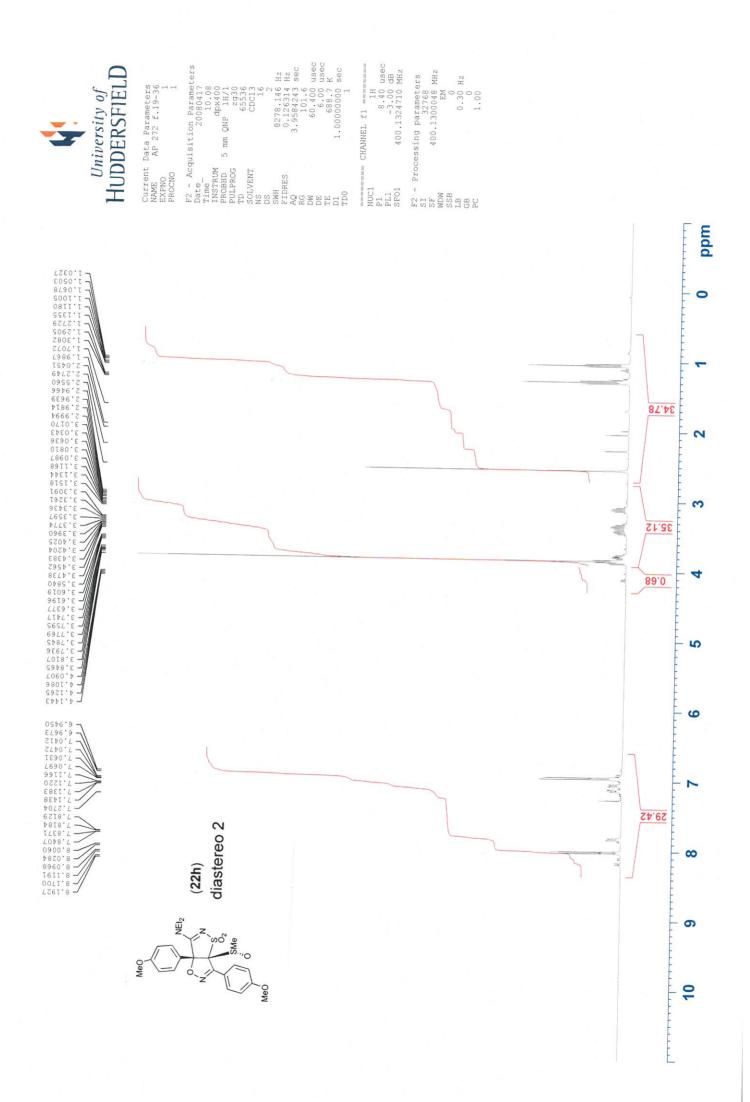


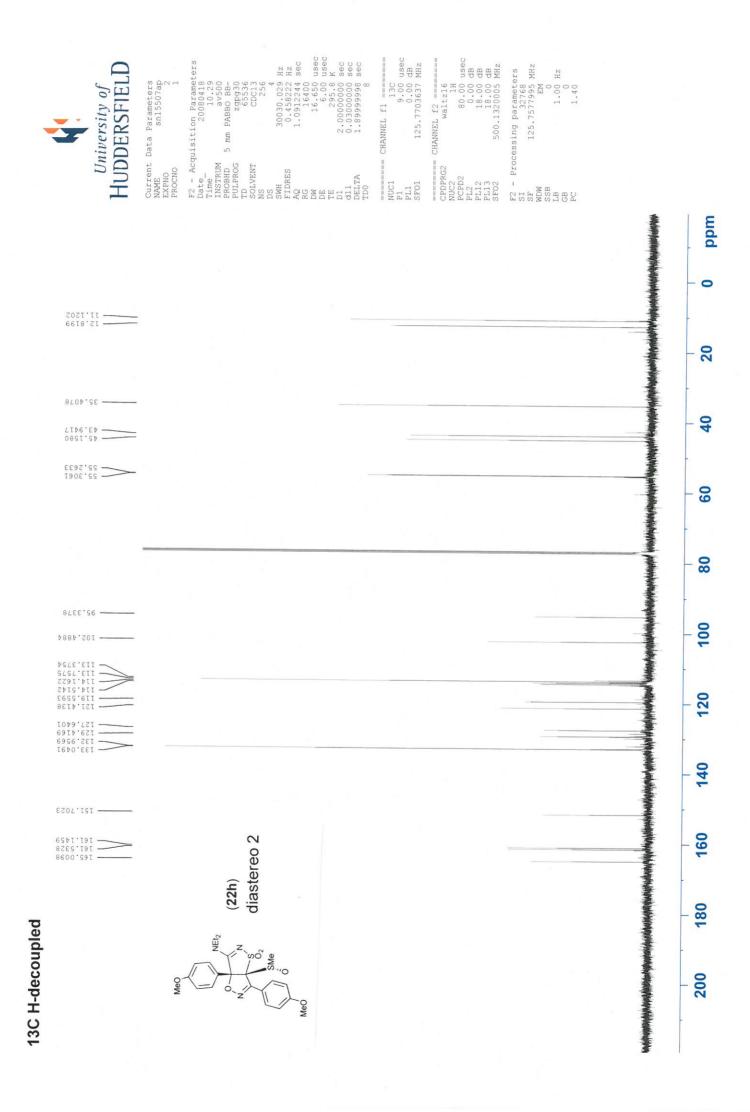


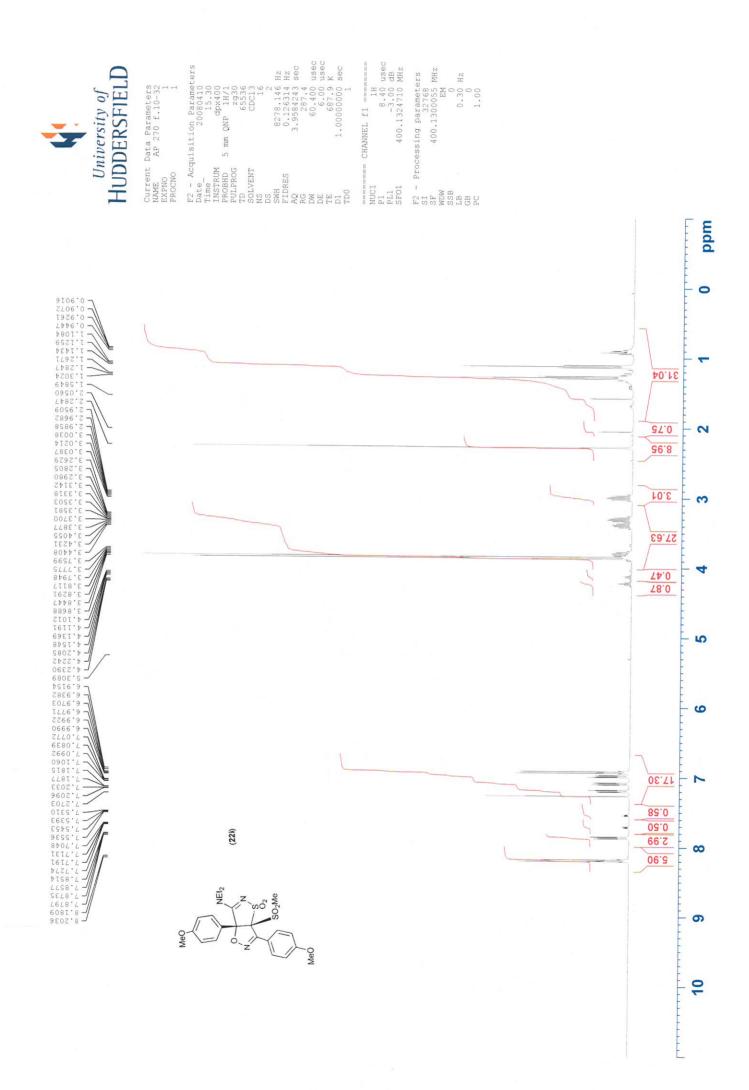


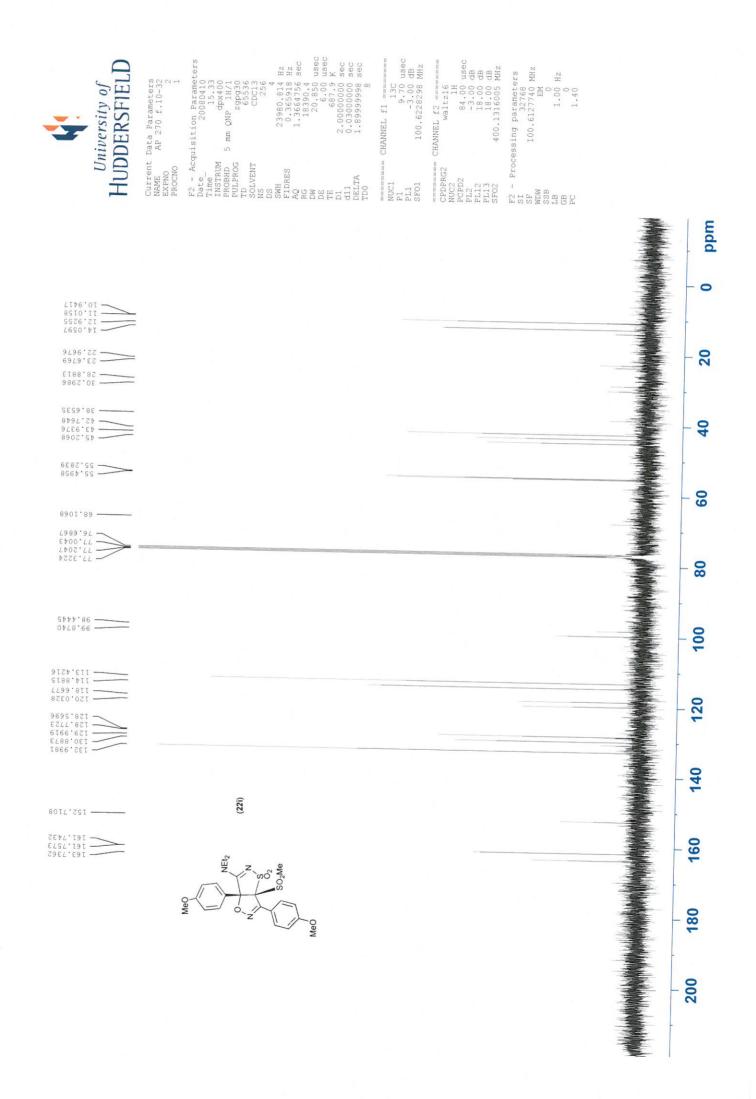


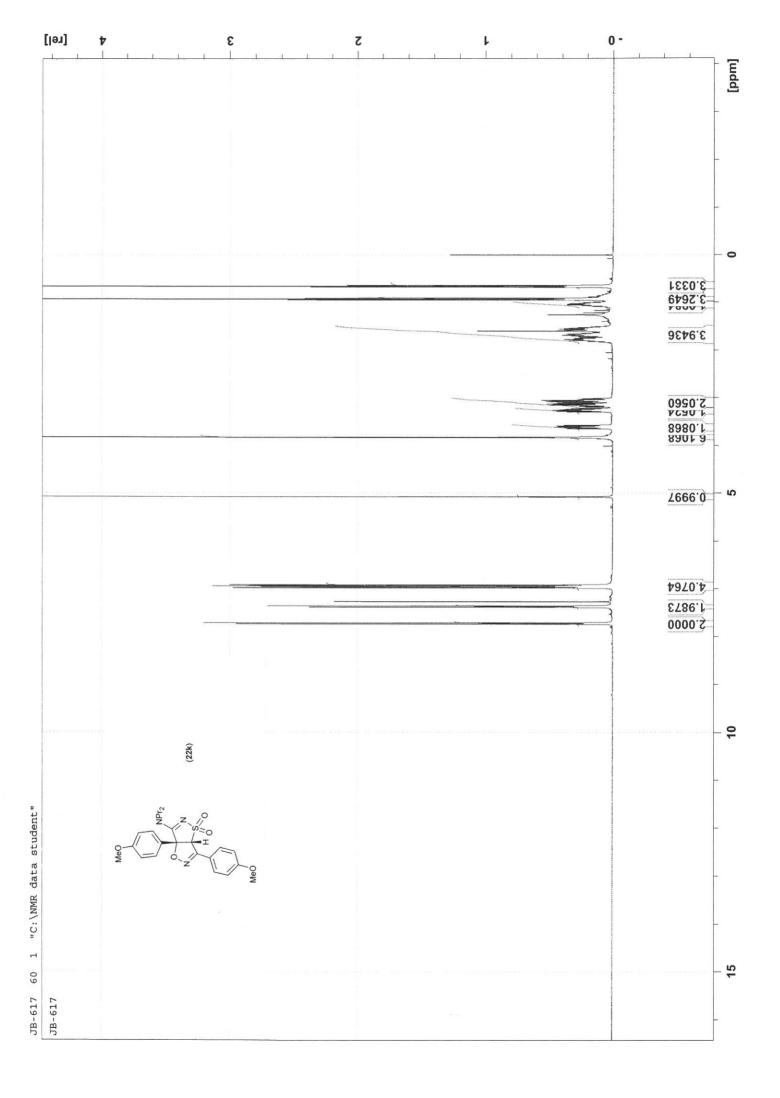
| University of   | Current Data Parameters<br>NAME AP 272 f.39-53 2<br>ERONO AP 272 f.39-53 2<br>EROCNO 1<br>F2 - Acquisition Parameters<br>11.25<br>Time 11.25<br>Time 20090912<br>Time 20090912<br>Time 2000000 8ec<br>MB 42<br>F1DREs 0.55546<br>SOLVENT 23980.814 Hz<br>65536<br>SOLVENT 23980.814 Hz<br>65536<br>SOLVENT 23980.814 Hz<br>65536<br>SOLVENT 236518 Hz<br>6502<br>BS<br>SWH 236518 Hz<br>COC13<br>SS<br>SOLVENT 236518 Hz<br>COC13<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS<br>SS   | <pre>cHANNEL f1 0 CHANNEL f1 13C 9.70 usec 9.70 usec 100.6228298 MHz CHANNEL f2 0 dB 11 84.00 usec 94.00 usec 18.00 dB 18.00 dB 18.00 dB 18.00 dB 18.00 dB 18.00 dB</pre> | - Processing parameters<br>32768<br>100.612735 MHz<br>EM<br>1.00 Hz<br>1.40 |      |
|---|---|---|---|------|
| Unive   | Current Data Parameters<br>NAME AP 272 f.39-53 2<br>PROCNO 1<br>F2 - Acquisition Paramete<br>Date 20080812<br>Time 20080812<br>Time 20080812<br>I11.25<br>INSTRUM 6 dpx400<br>PROBHD 5 mm QNP 114/1<br>TULPROG 5035<br>SOLVENT 23980.814 H<br>A 0,055535<br>SOLVENT 23980.814 H<br>TULPROG 50218<br>SOLVENT 23980.814 H<br>A 0,055535<br>SOLVENT 2555<br>SOLVENT 20000000<br>SOLVENT 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>DE 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>DE 200000000 SOLVENT<br>DE 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>DE 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>DE 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>DE 20000000 SOLVENT<br>TO 200000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 2000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 20000000 SOLVENT<br>TO 200000000 SOLVENT<br>TO 2000000000 SOLVENT<br>TO 2000000000 SOLVENT<br>TO 200000000000 SOLVENT<br>TO 2000000000000000000000000000000000000 |   | F2 - Process<br>SI<br>WUDW<br>SSB<br>SSB<br>GB<br>GB<br>FC                  |      |
|   |   |   |   | mdd  |
| 8280.11   |   |   |   | - 0  |
| 0227.22   |   |   |   | 20   |
| \$122.6\$   |   |   |   | - 40 |
| 555.32<br>725.32<br>52.455  |   |   |   |      |
| 5989 · 9 <i>L</i> —   |   |   |   | - 09 |
| 77.0239<br>77.0039<br>77.0039   |   |   |   | - 80 |
| 2050.001 <u></u>  |   |   |   | 100  |
| 6207.321<br>078.021<br>078.021<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>078.025<br>0 |   |   |   | 120  |
| 6651°621<br>1812°261  |   |   |   | 140  |
| 1990'I9I<br>6200'29I<br>512'29I<br>512'29I  | ( <b>22h</b> )<br>diastereo 1   |   |   | 160  |
|   | di Q  |   |   | 180  |
|   | Meo or SM   |   |   | 200  |
|   |   |   |   |      |

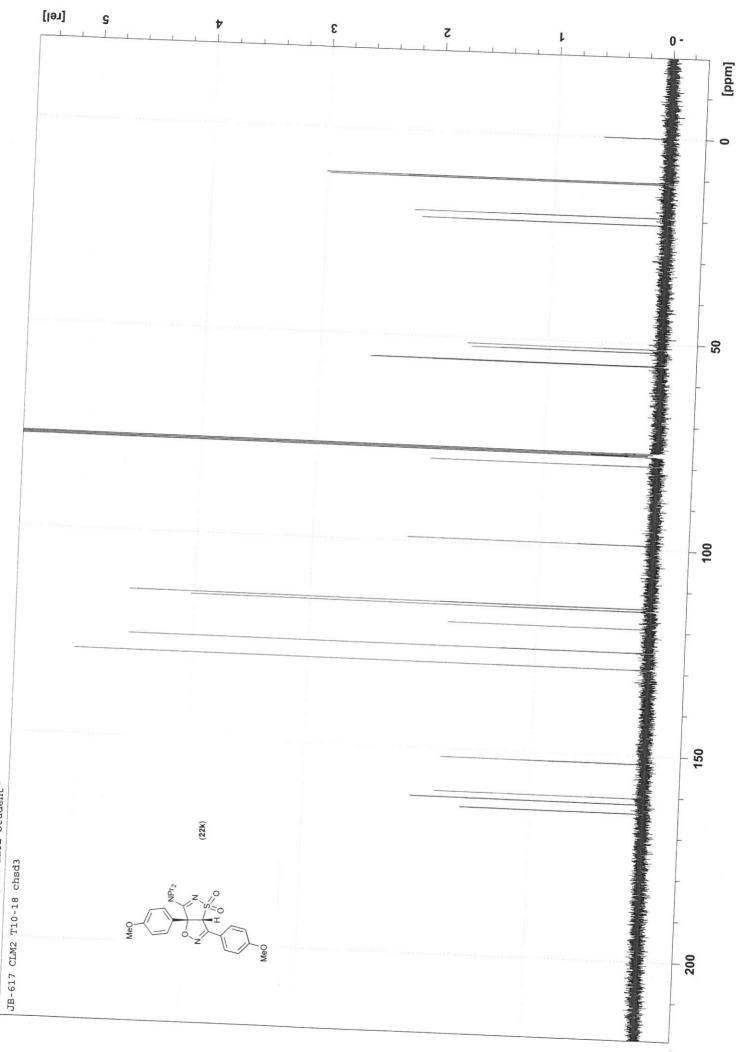




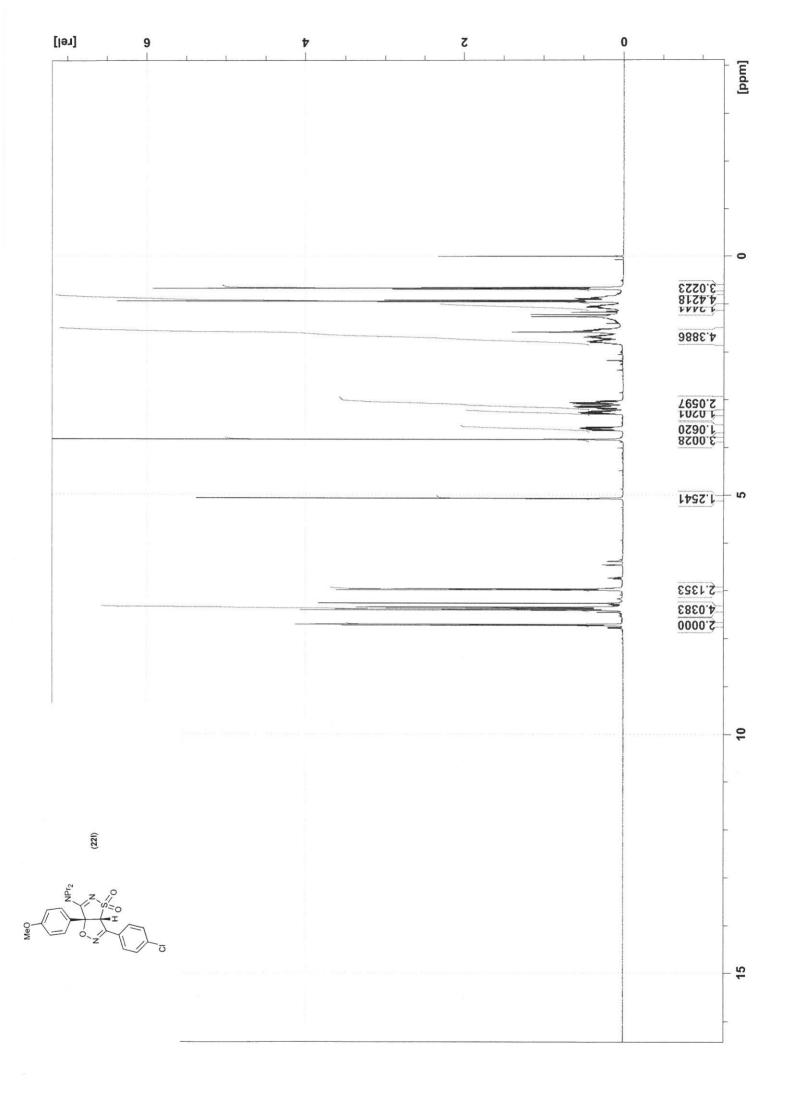


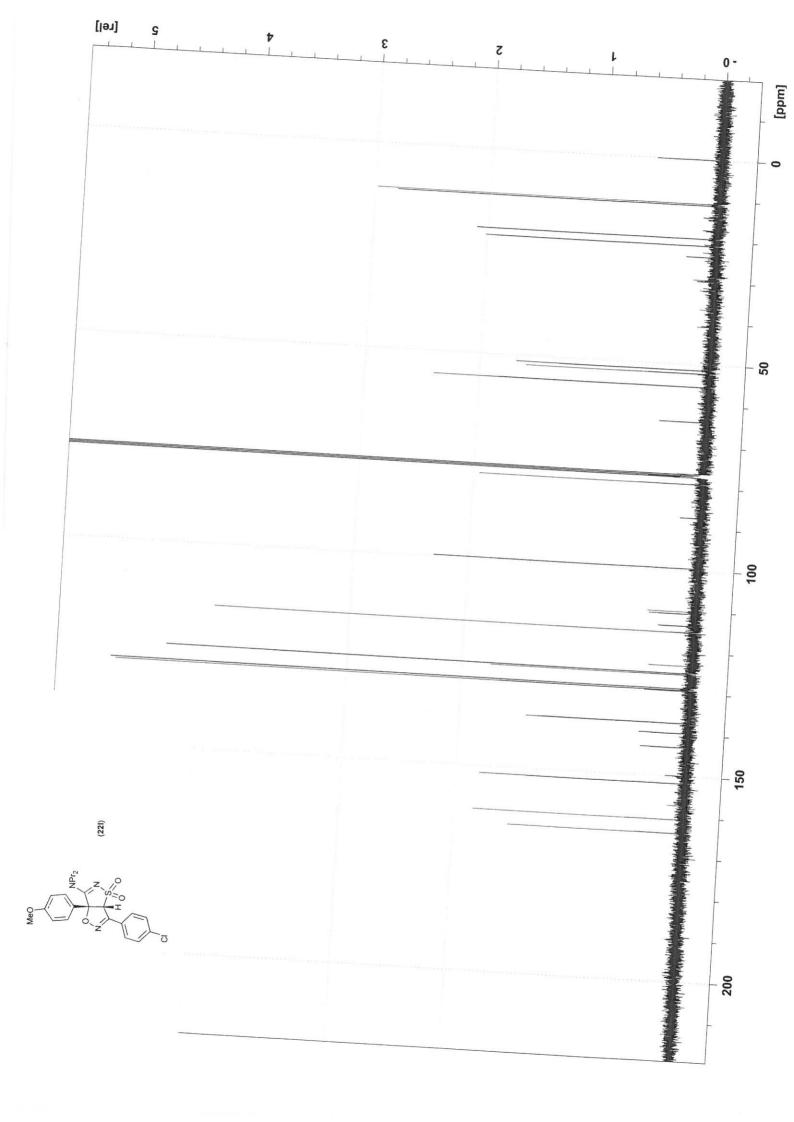


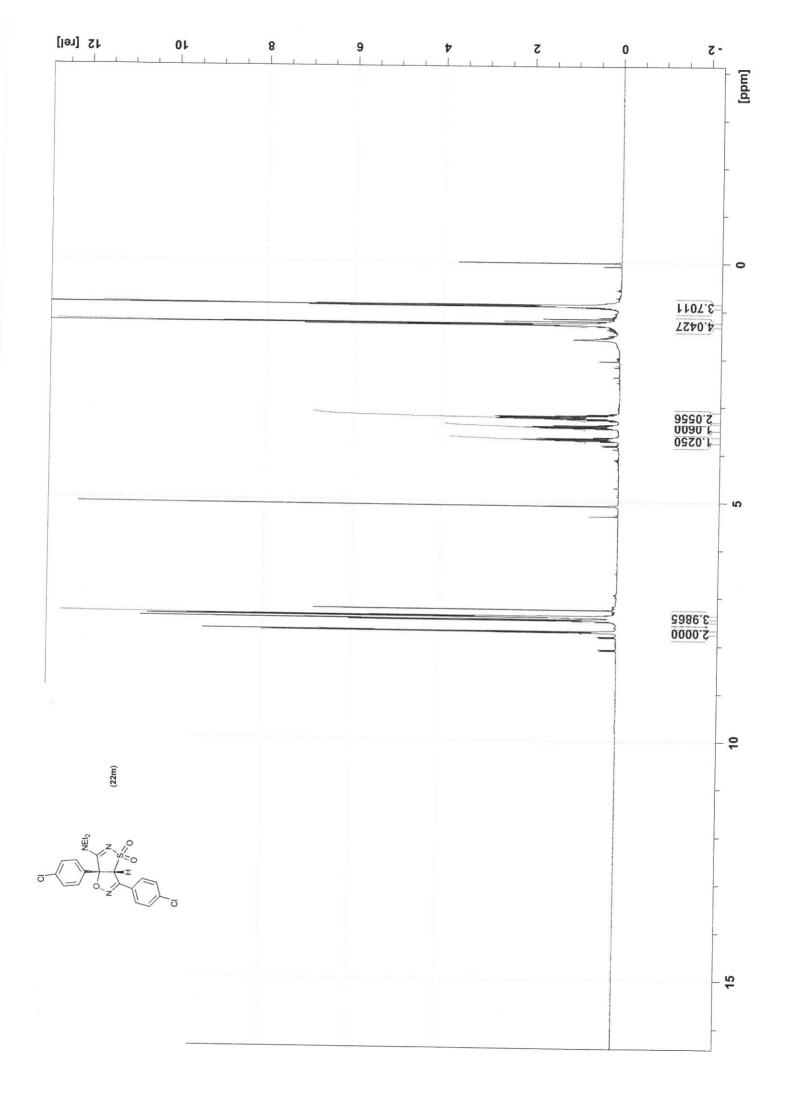


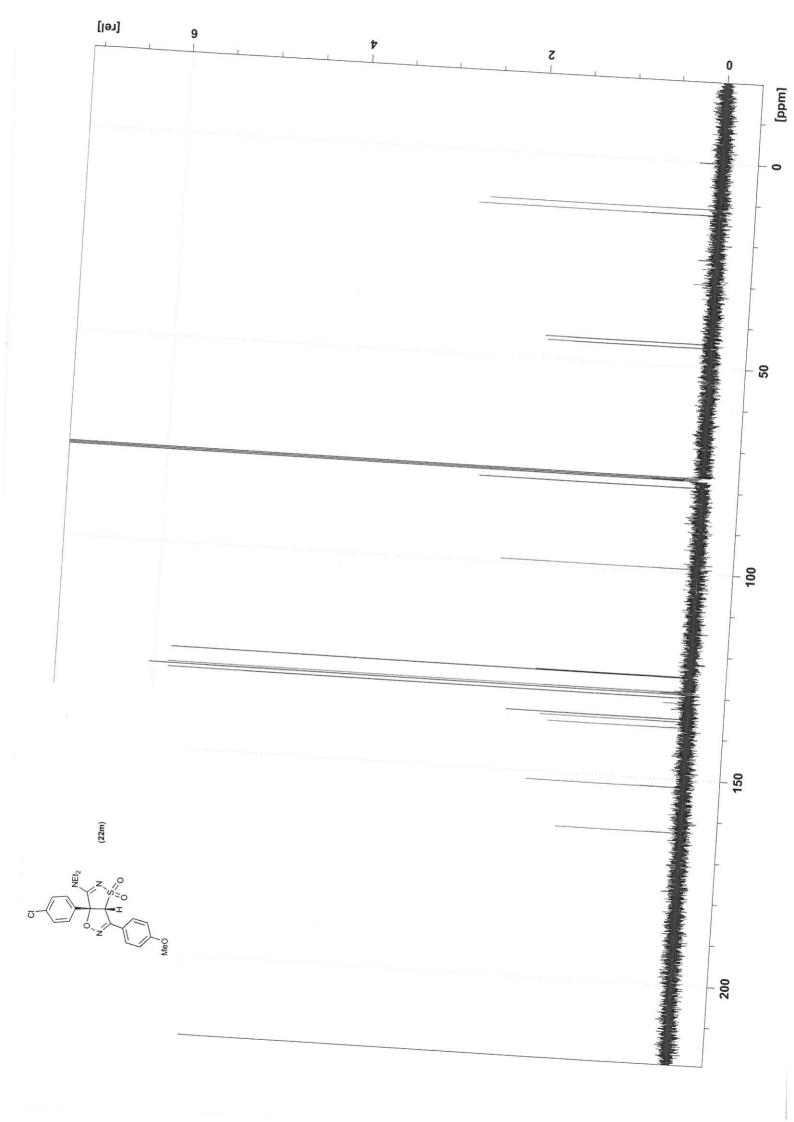


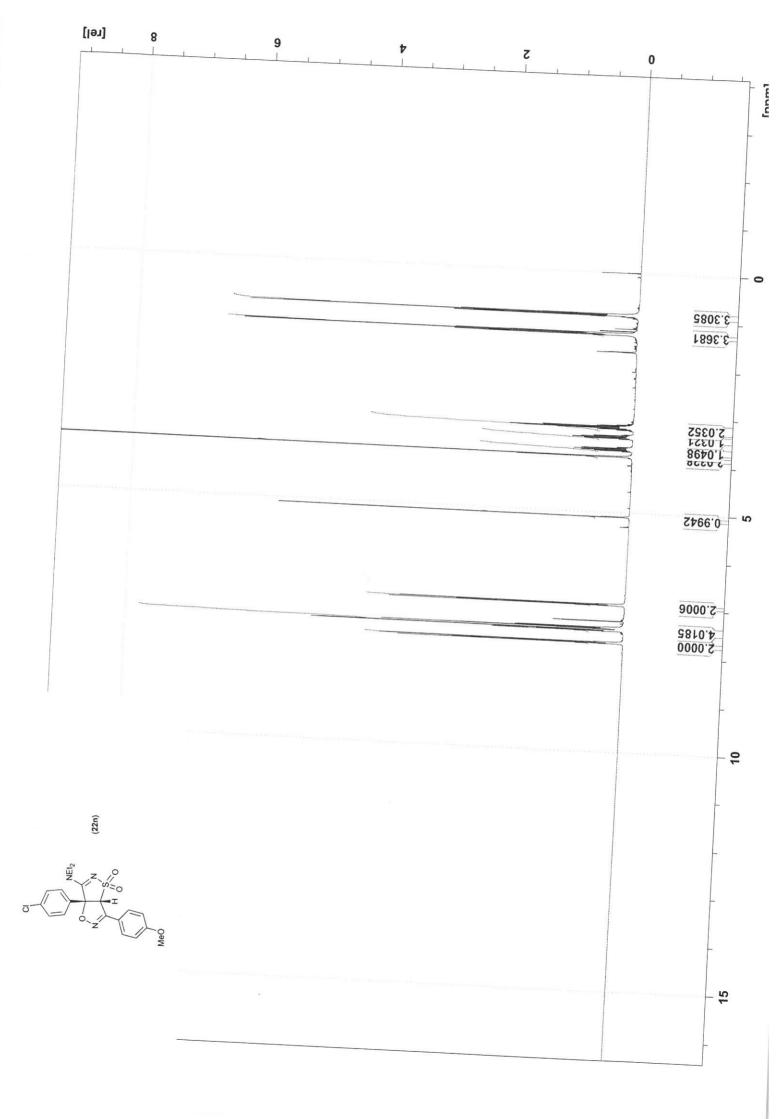
JB-617 41 1 "C:\NMR data student"

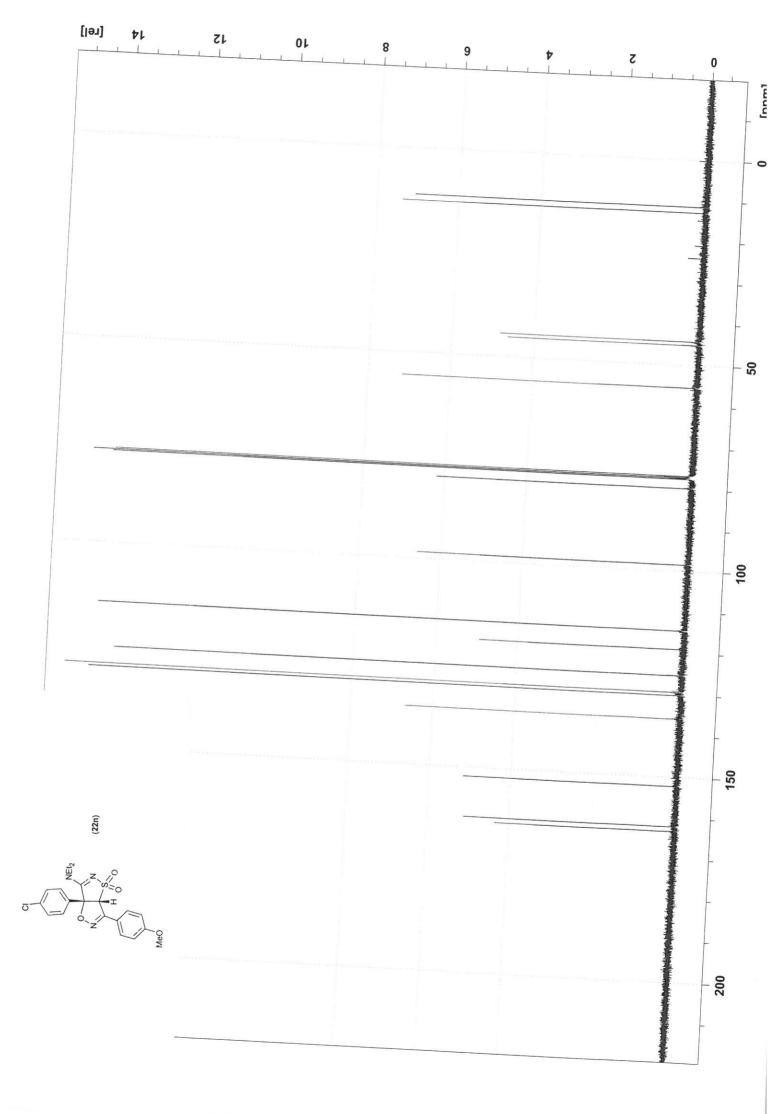


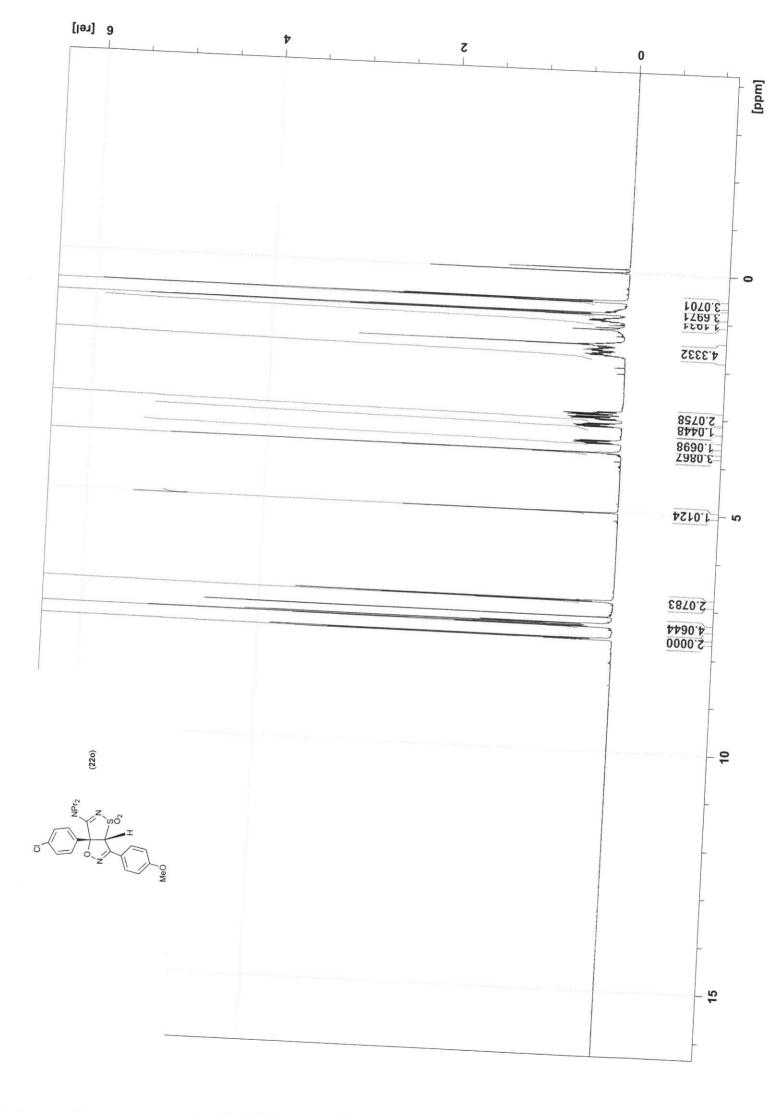


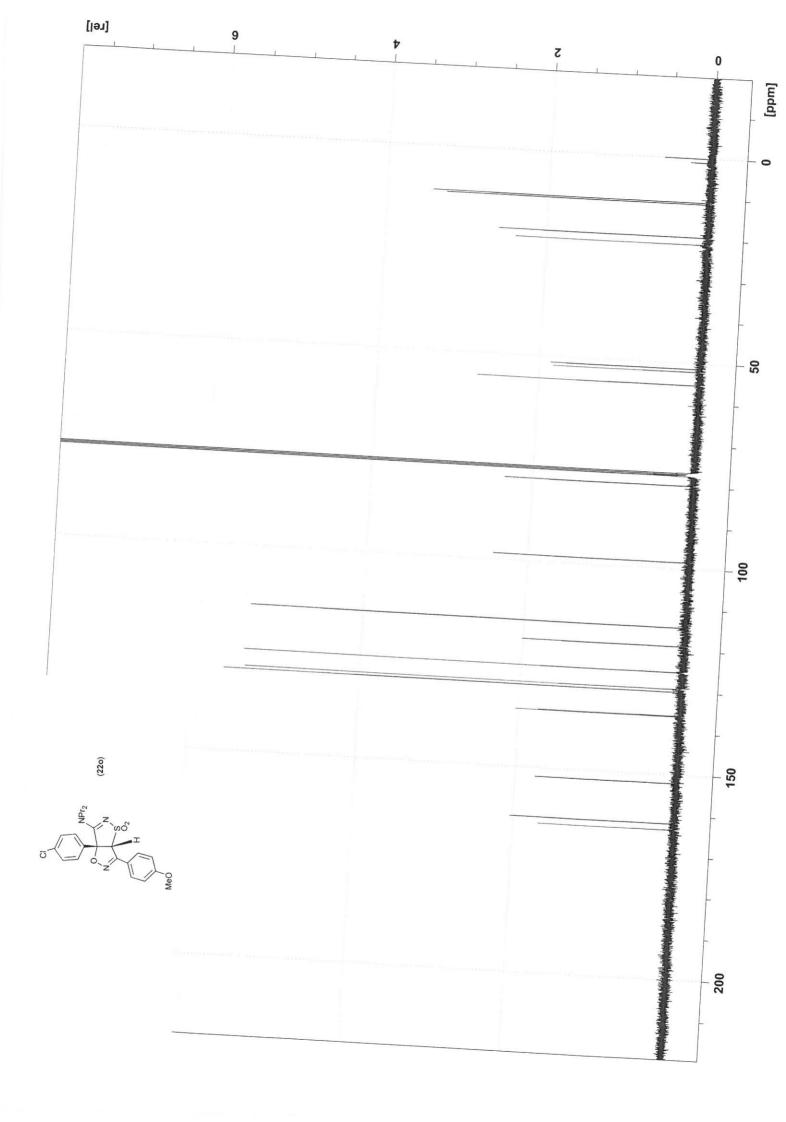


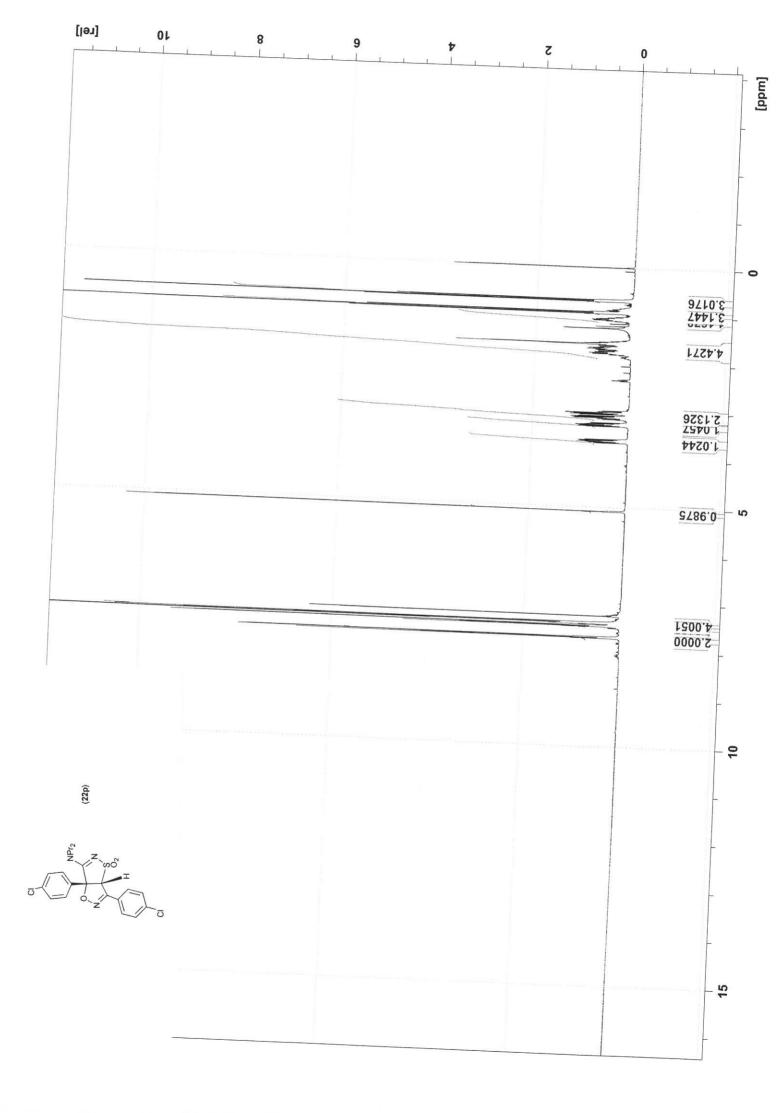




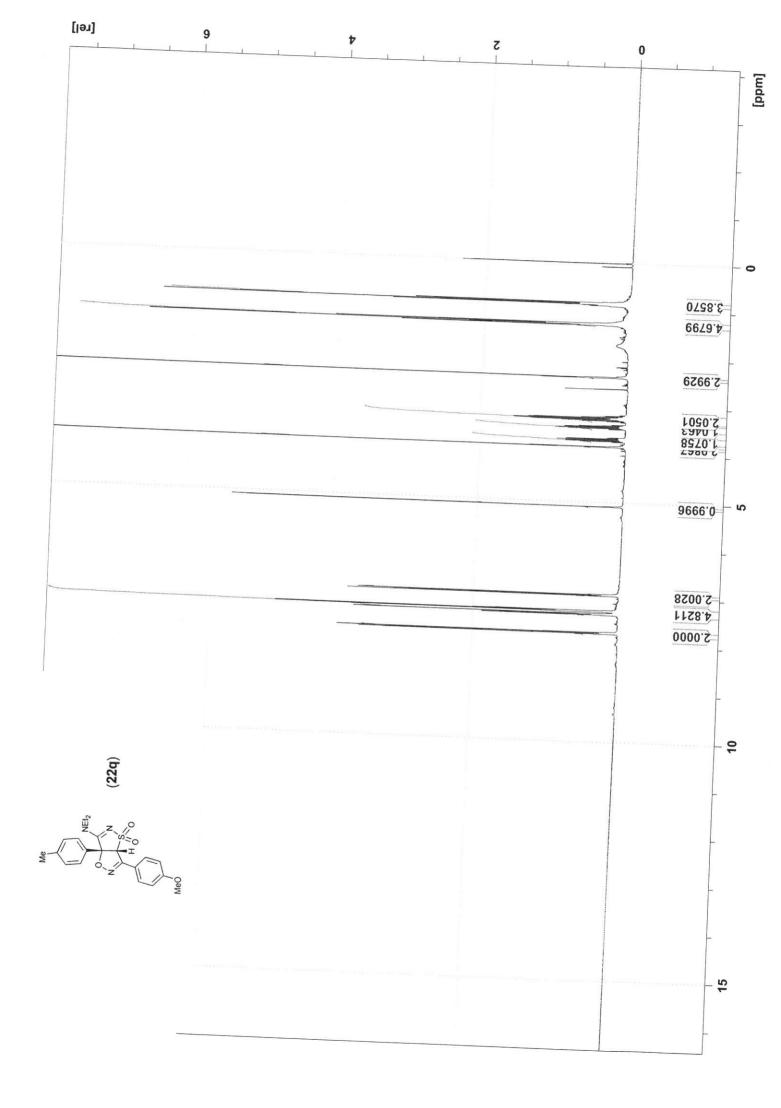


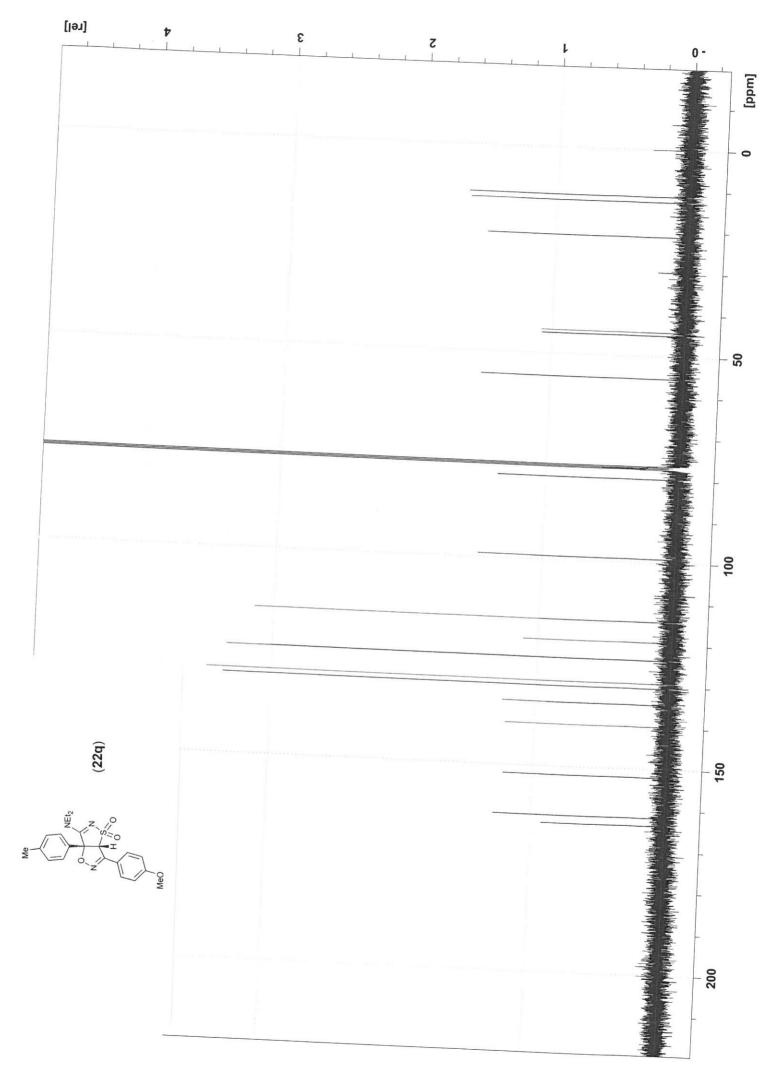


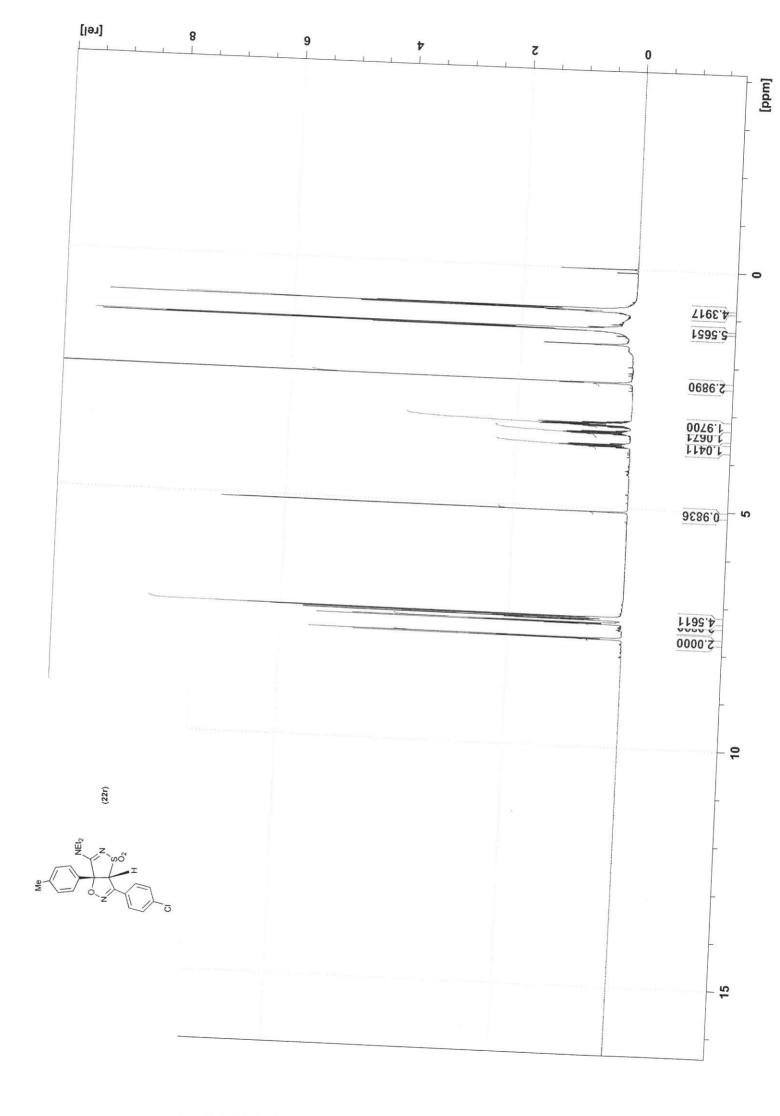


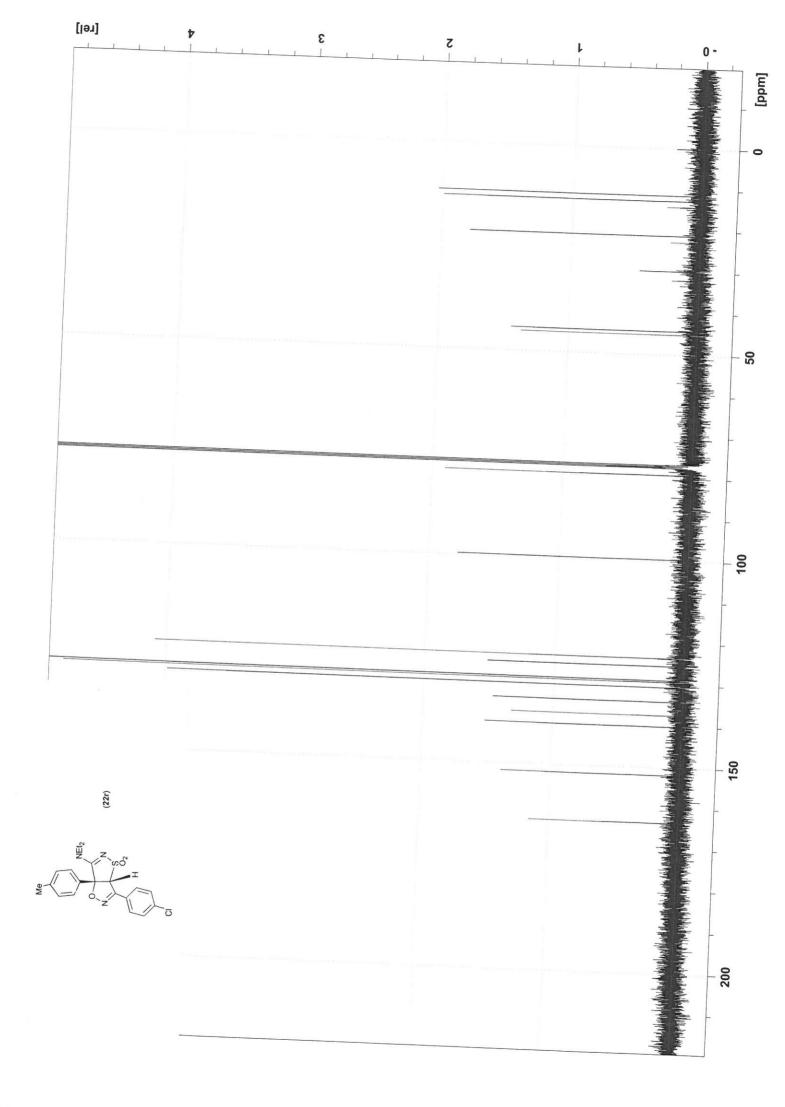


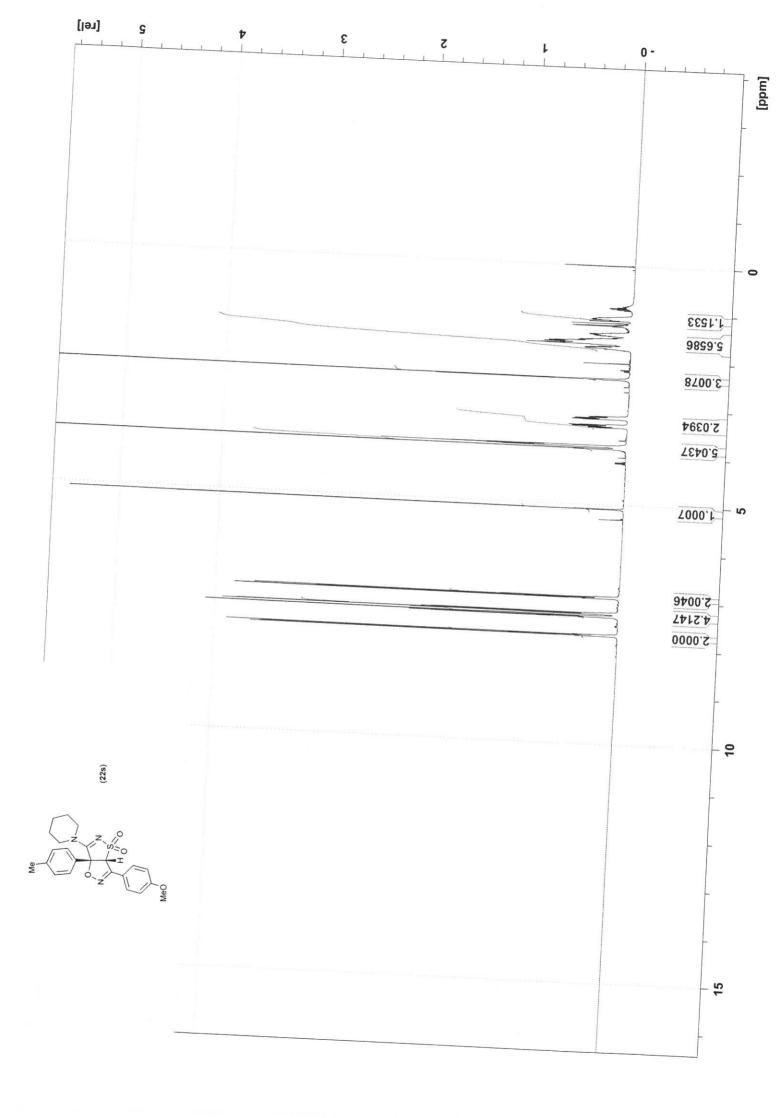


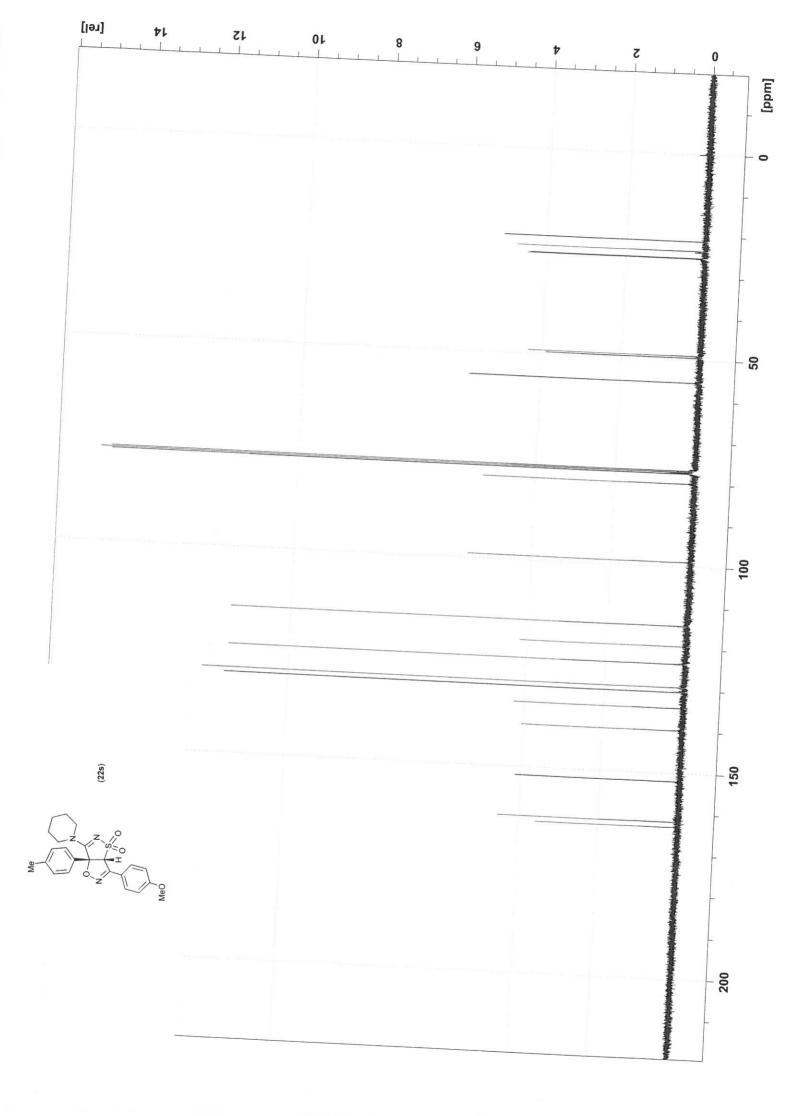


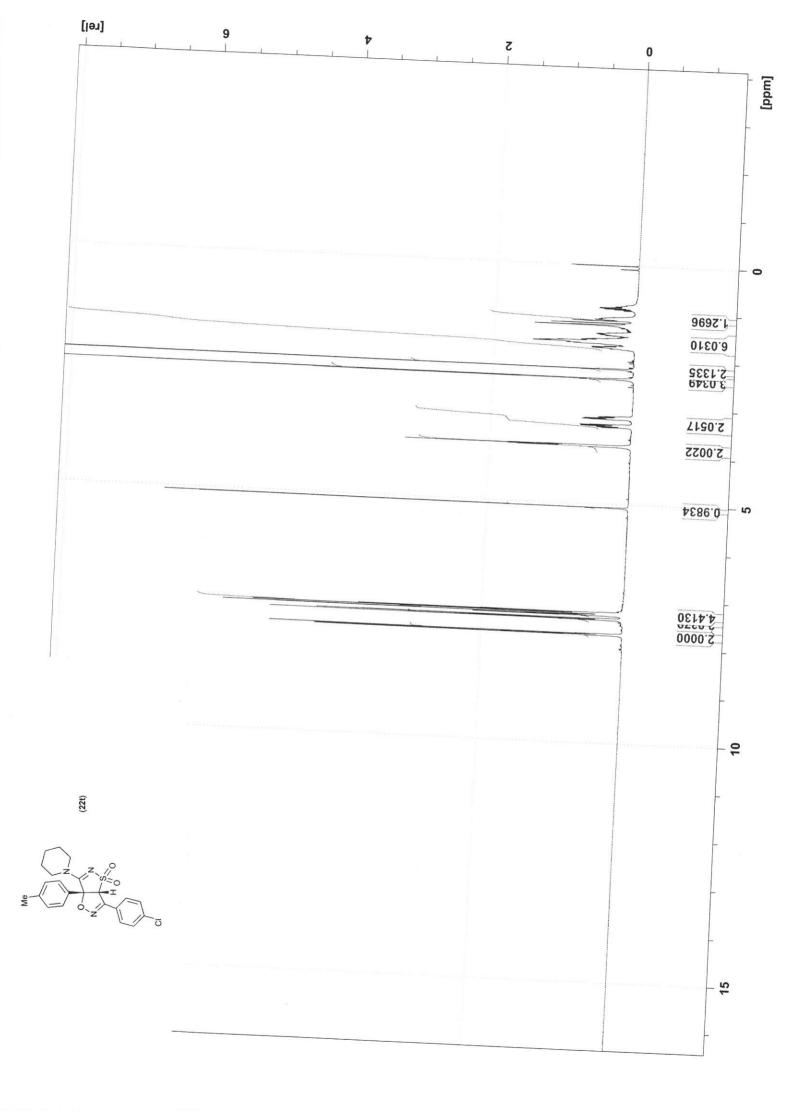


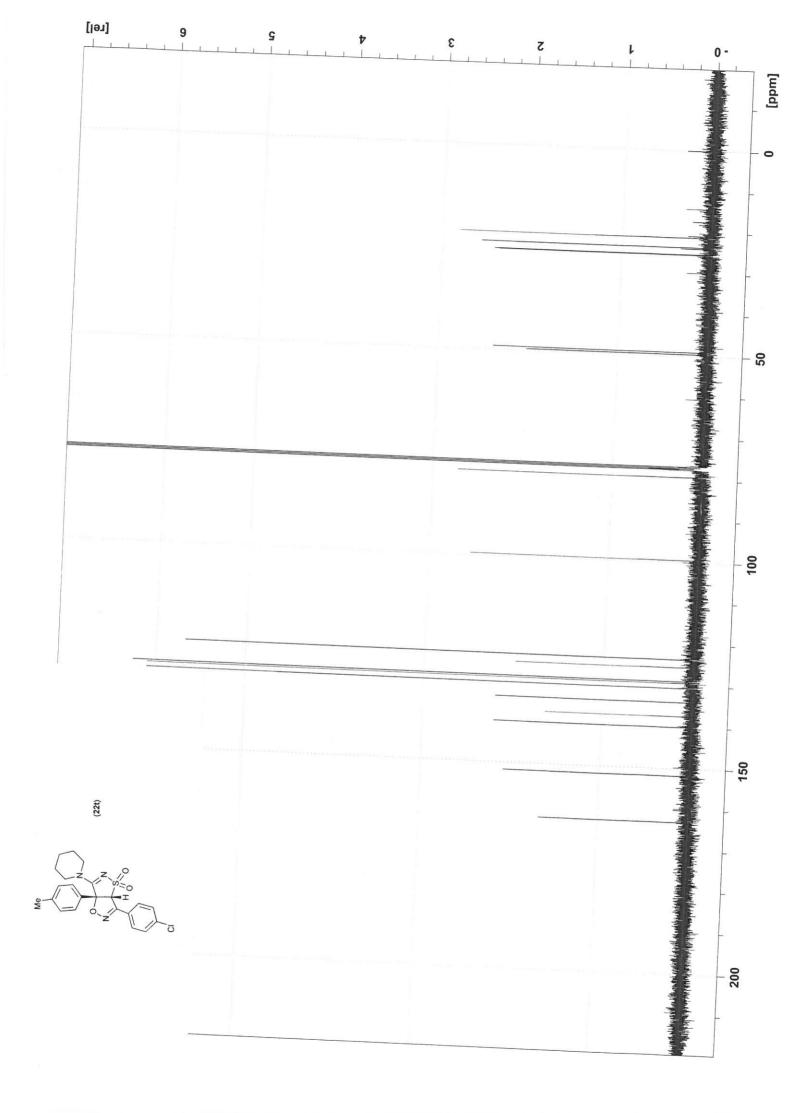


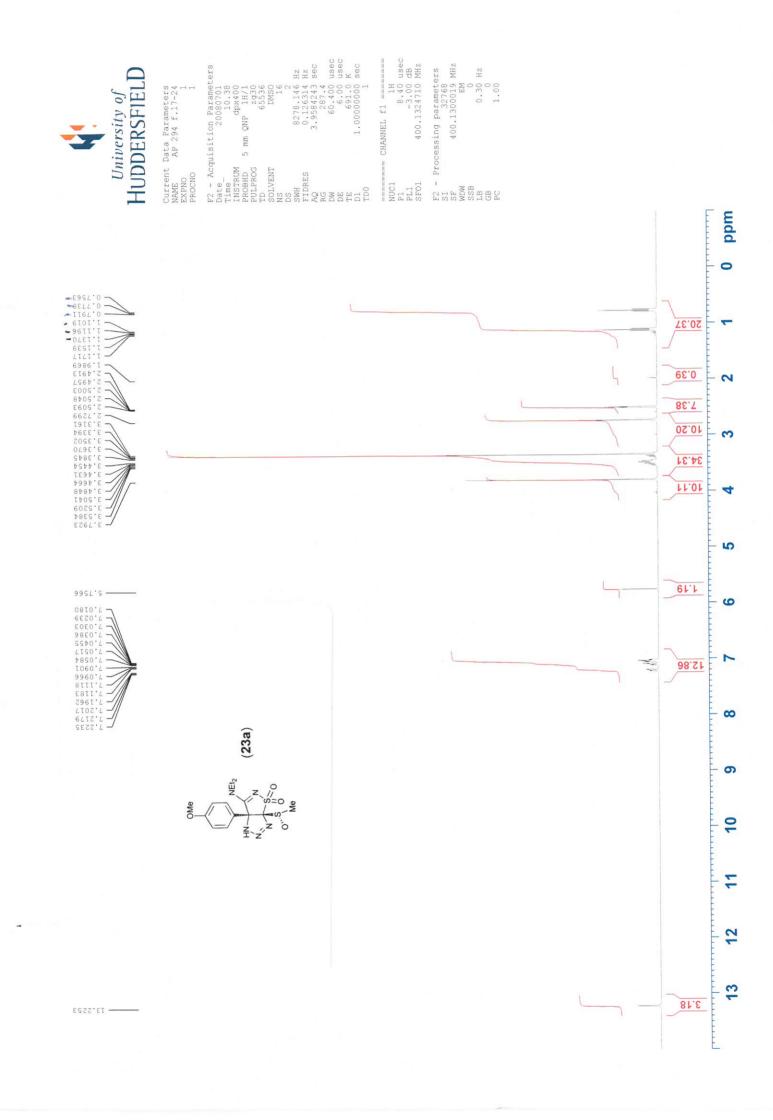


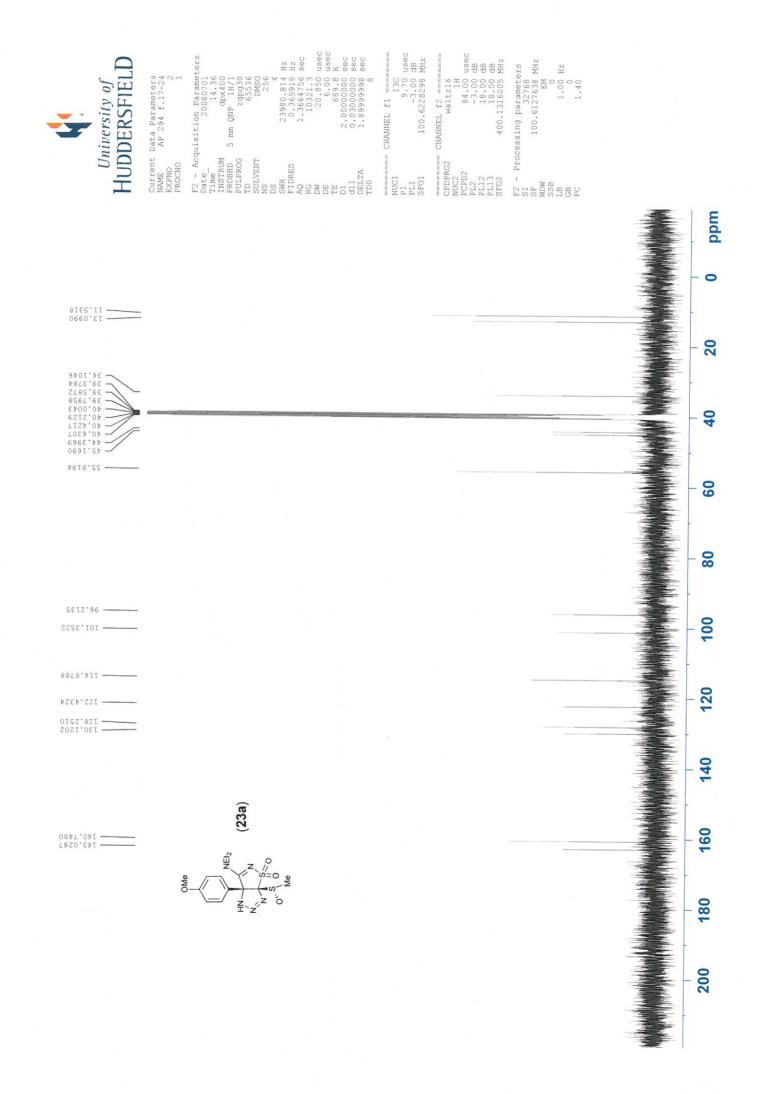


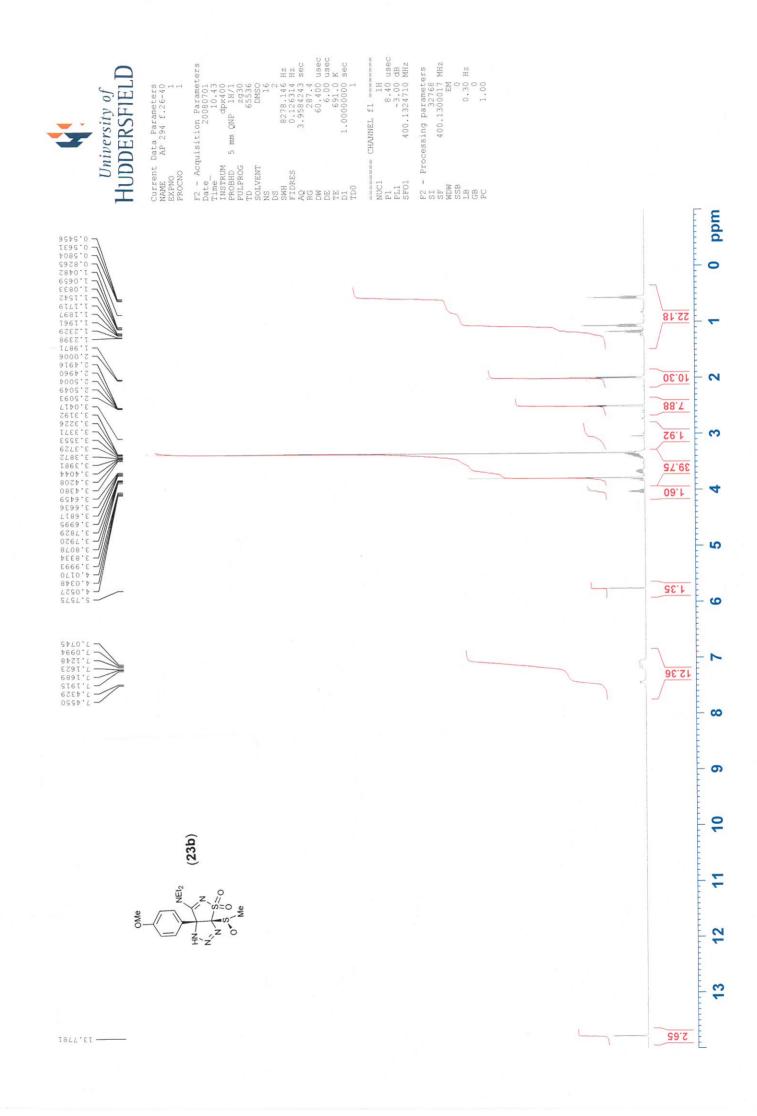


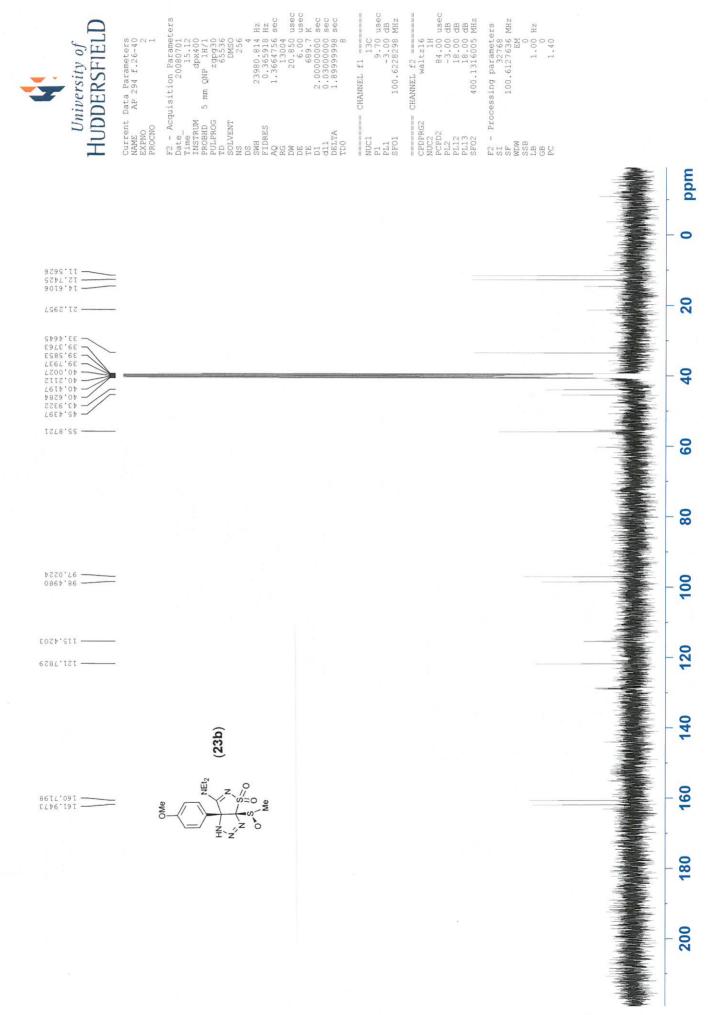


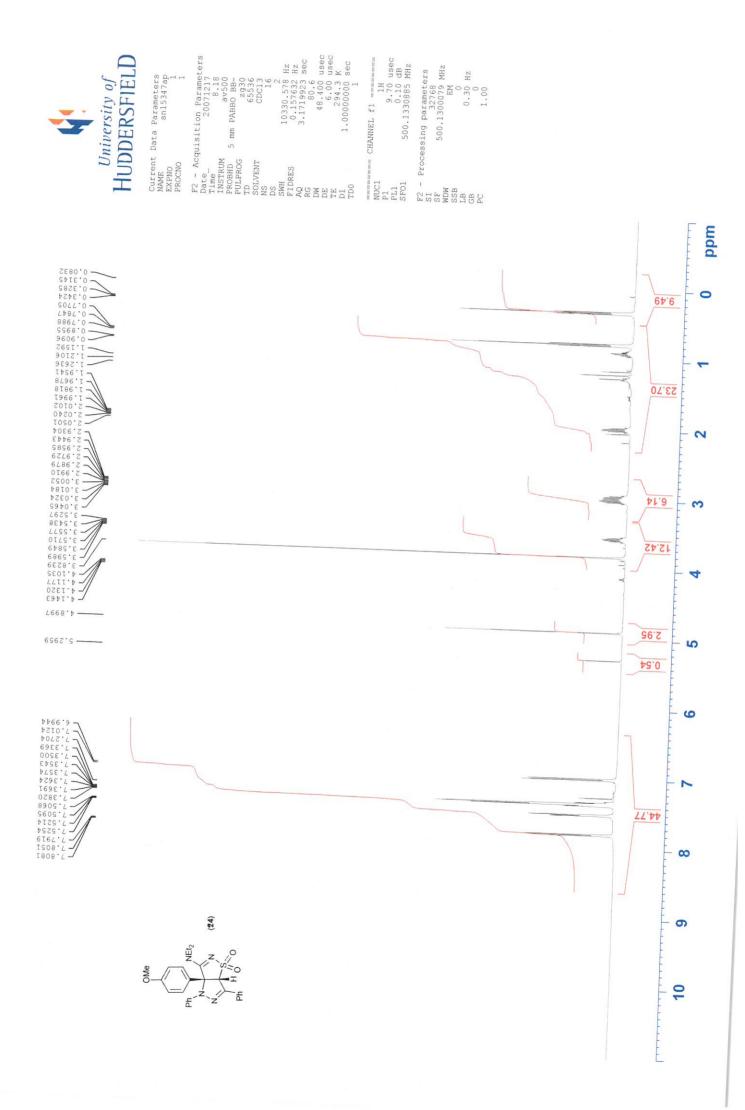


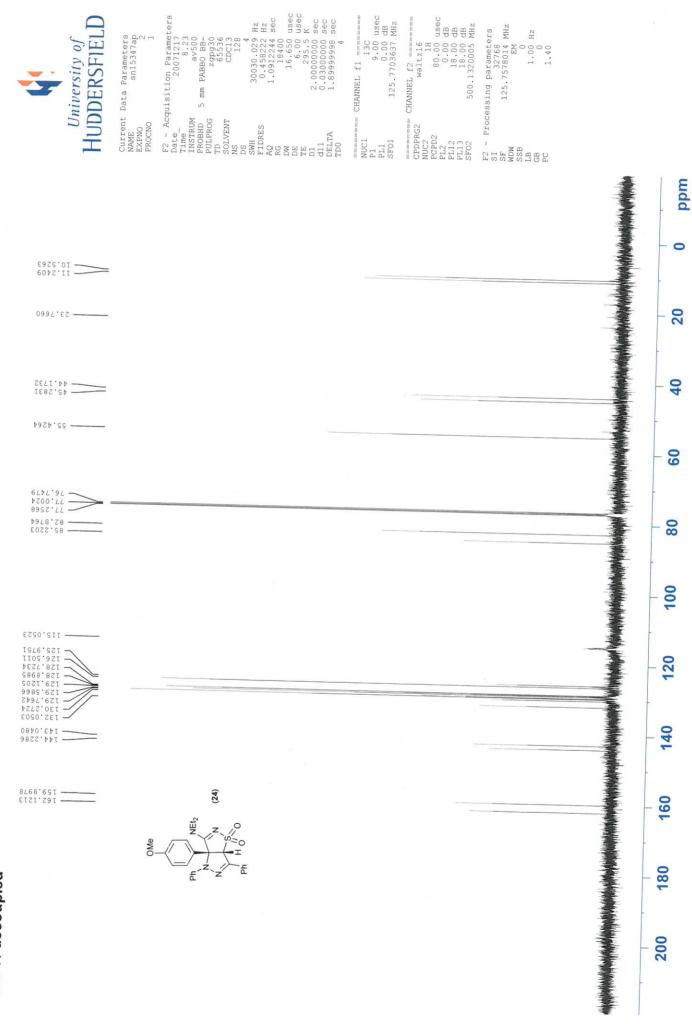












13C H-decoupled

