

## SUPPLEMENTARY INFORMATION

### Rationally designed squaryldiamides – a novel class of sugar-nucleotide mimics?

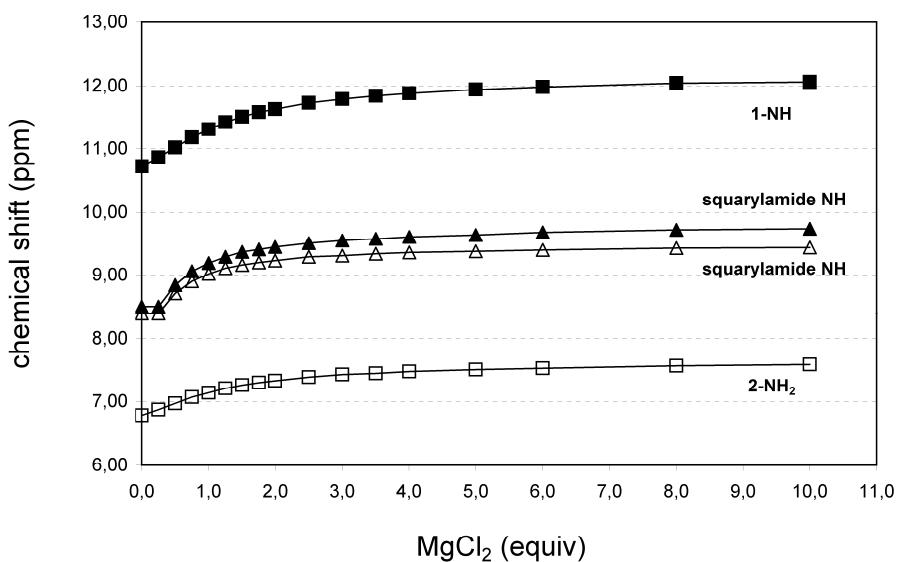
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Richard J. Morris;<sup>3</sup> Gerd K. Wagner<sup>1,\*</sup>

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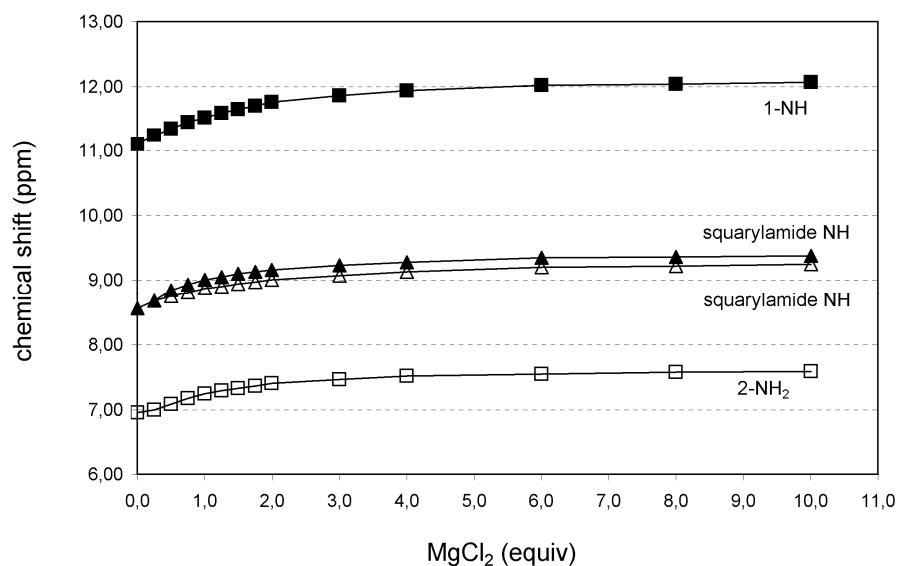
\*Correspondence should be addressed to G.K.W.

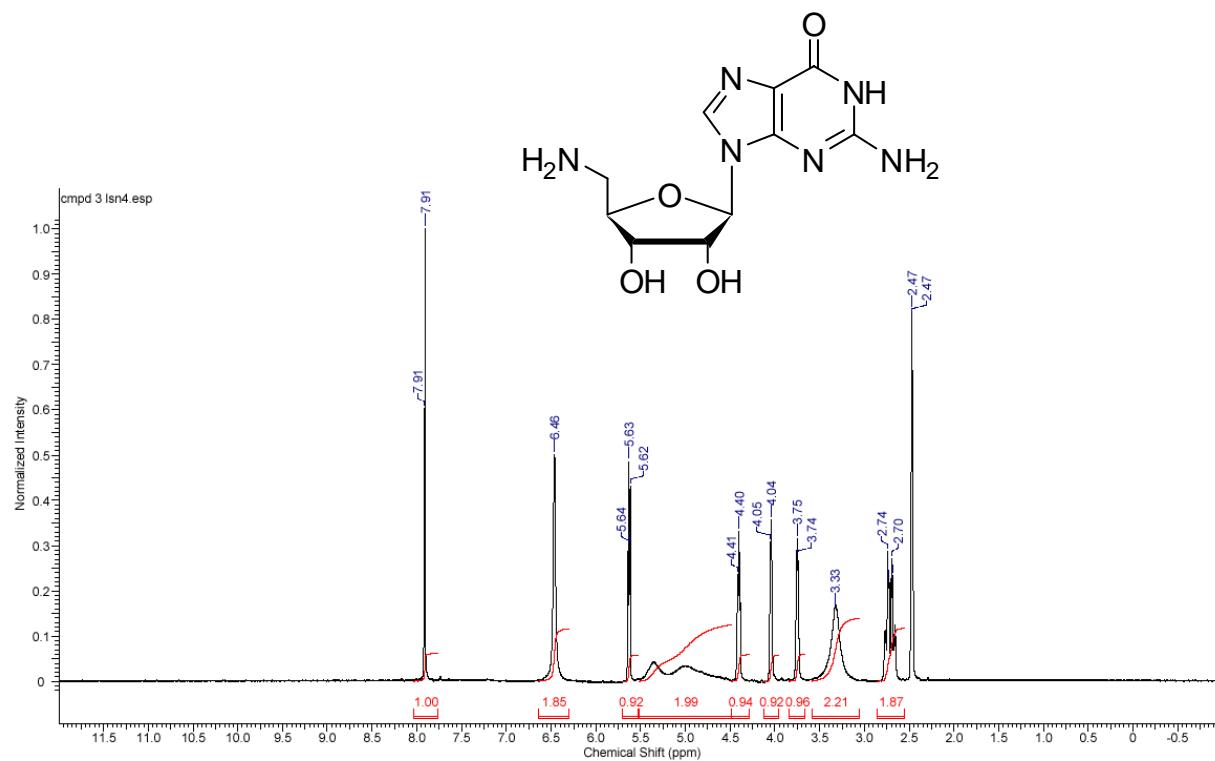
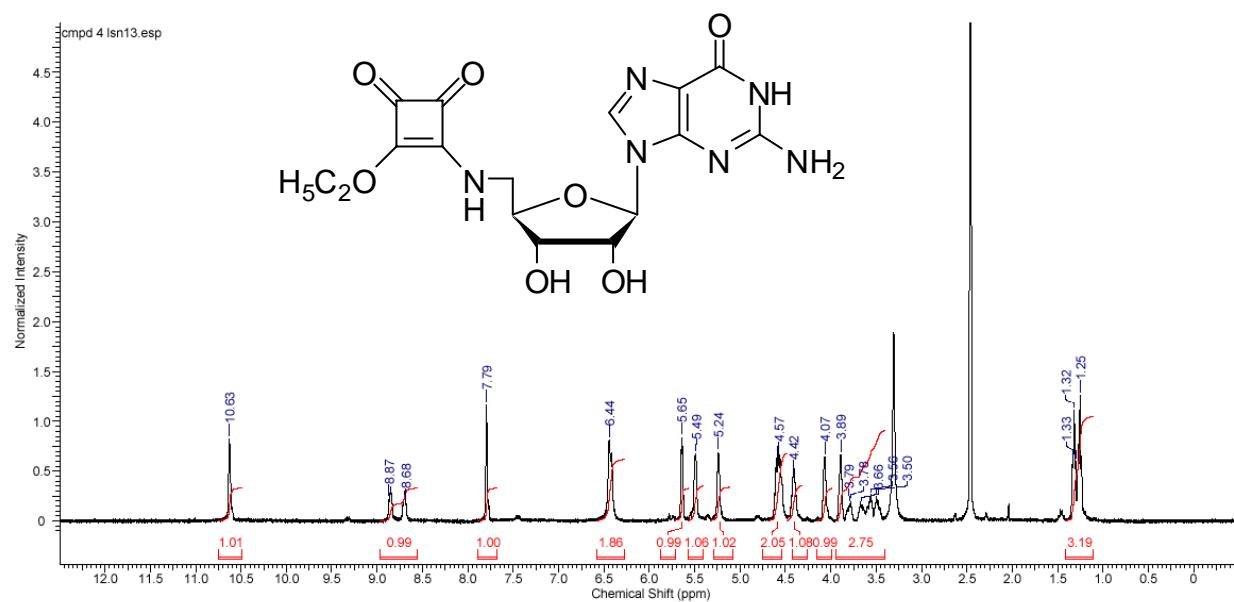
- (i) ..... <sup>1</sup>H-NMR titration curves for compounds **5c** and **5g**
- (ii) ..... <sup>1</sup>H-NMR spectra of compounds **3**, **4**, **5a-g** and **6a-g**
- (iii) ..... <sup>1</sup>H-NMR spectra for titration of **5g** with MgCl<sub>2</sub>

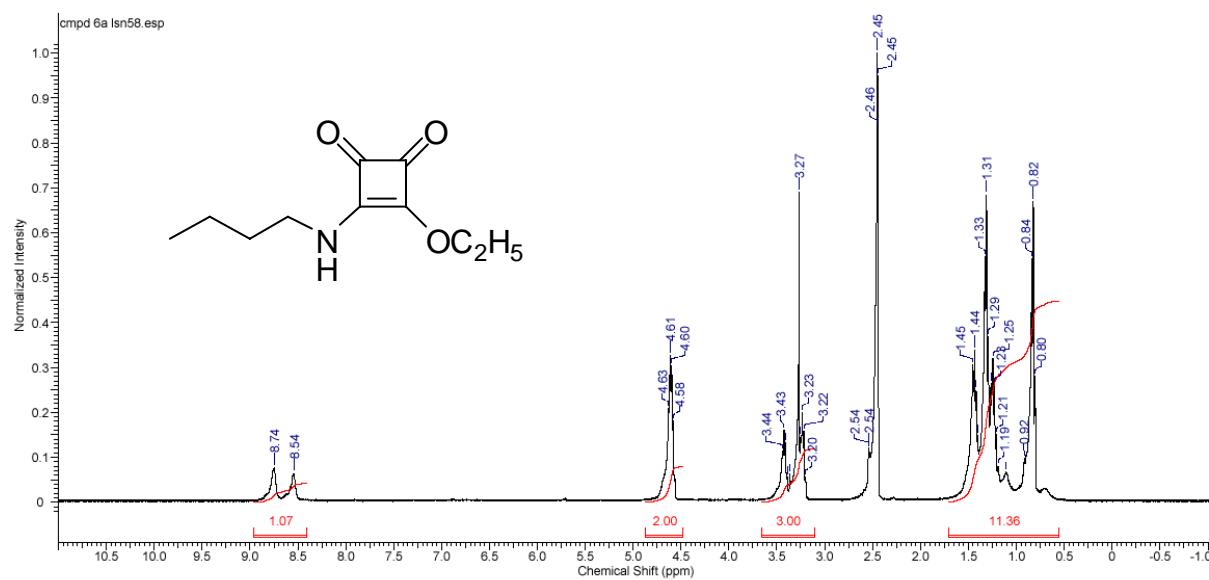
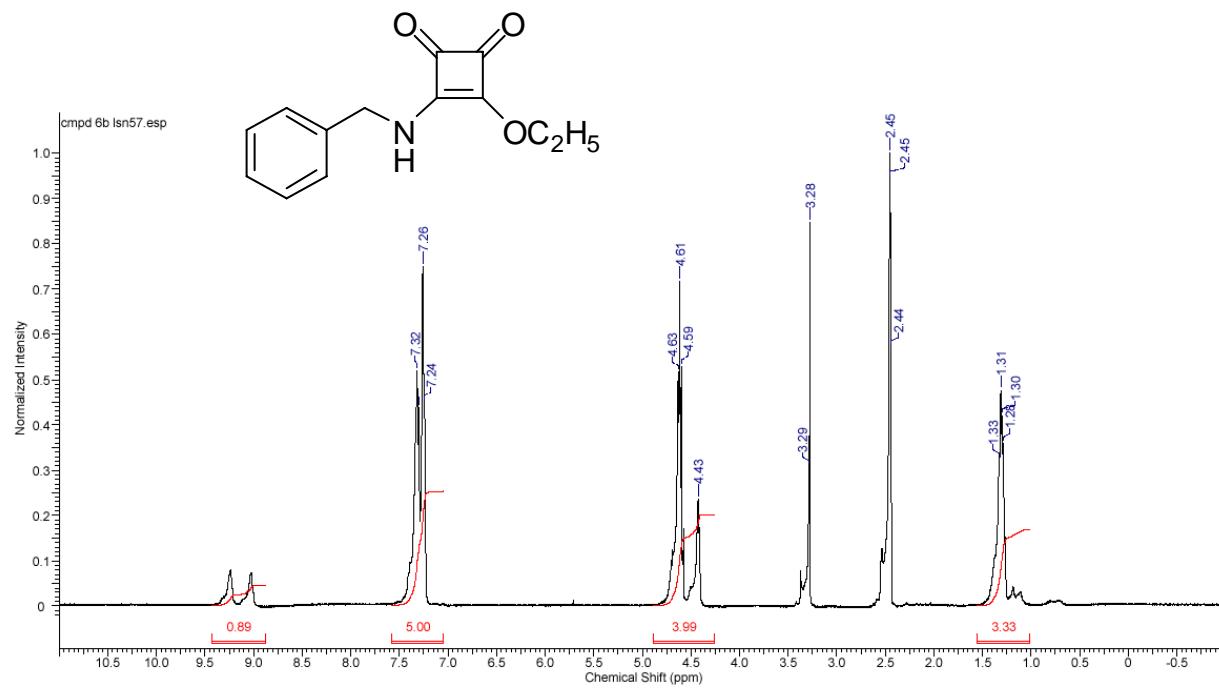
Chemical shifts ( $^1\text{H-NMR}$ ) for diagnostic protons upon titration of **5c** with  $\text{MgCl}_2$

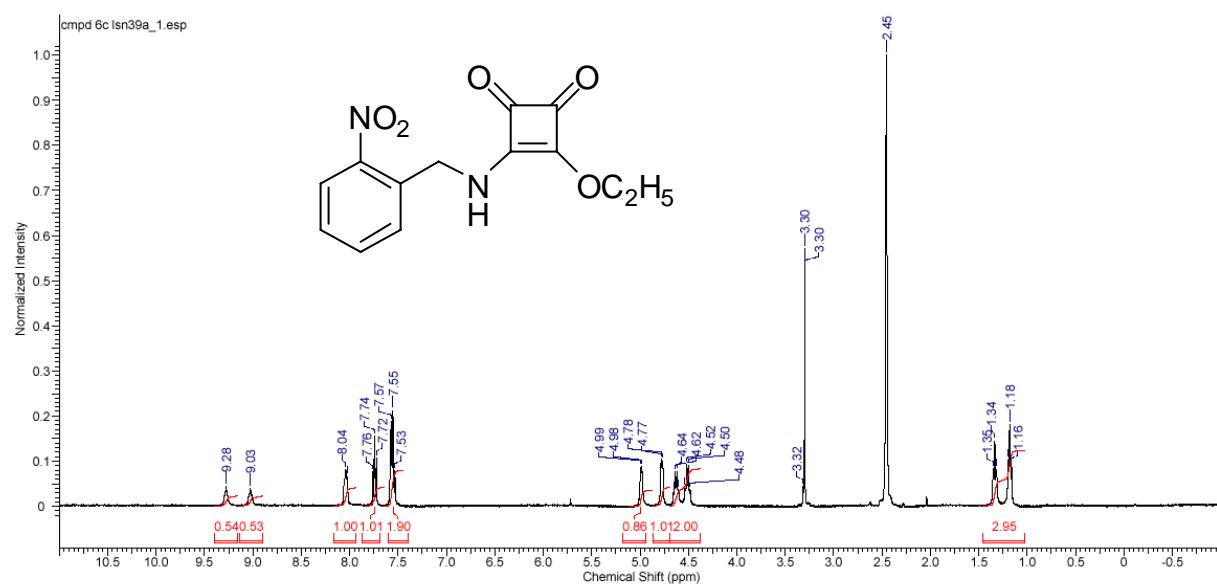
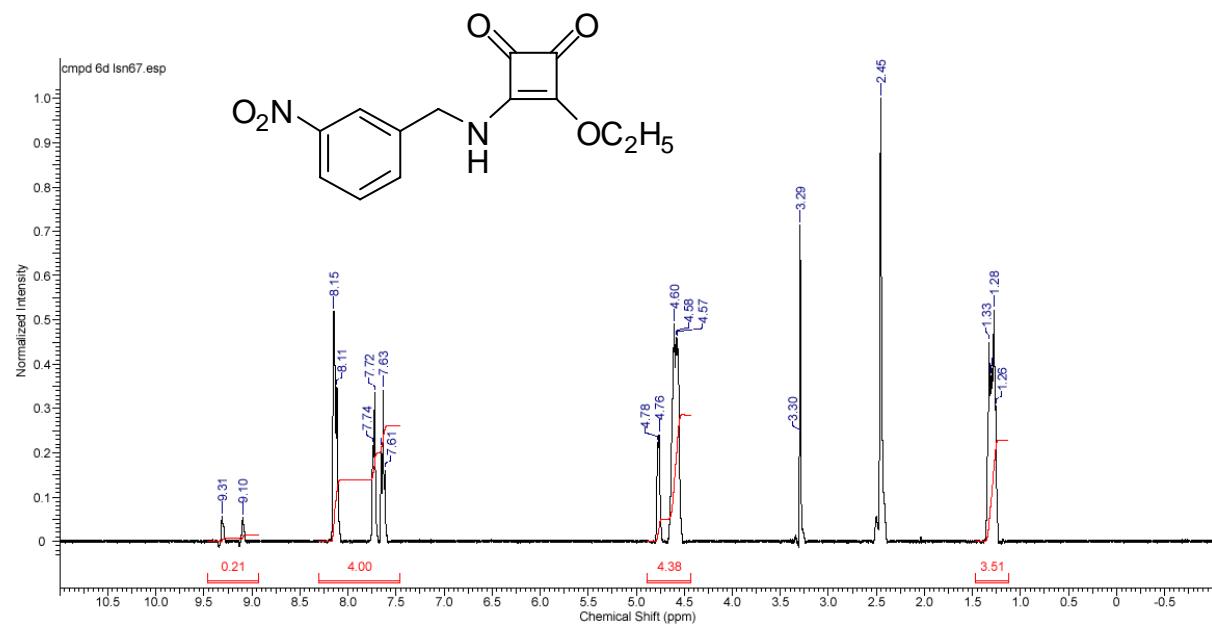


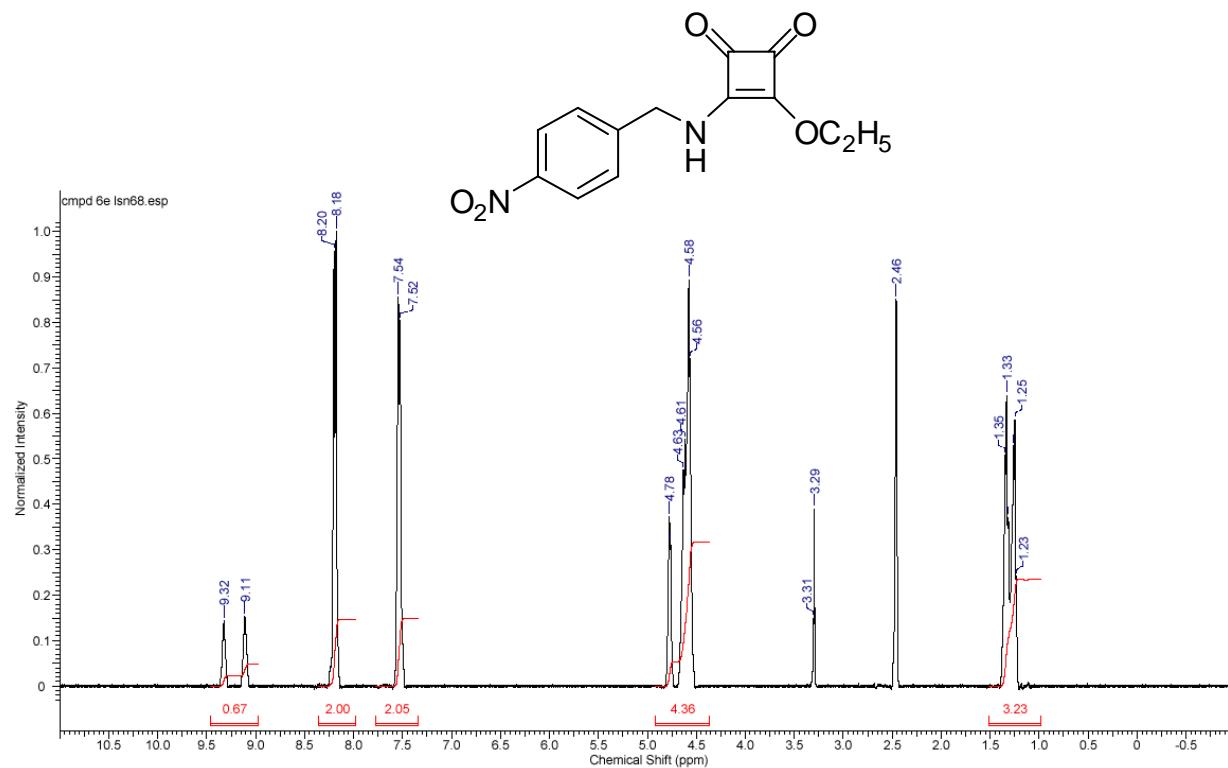
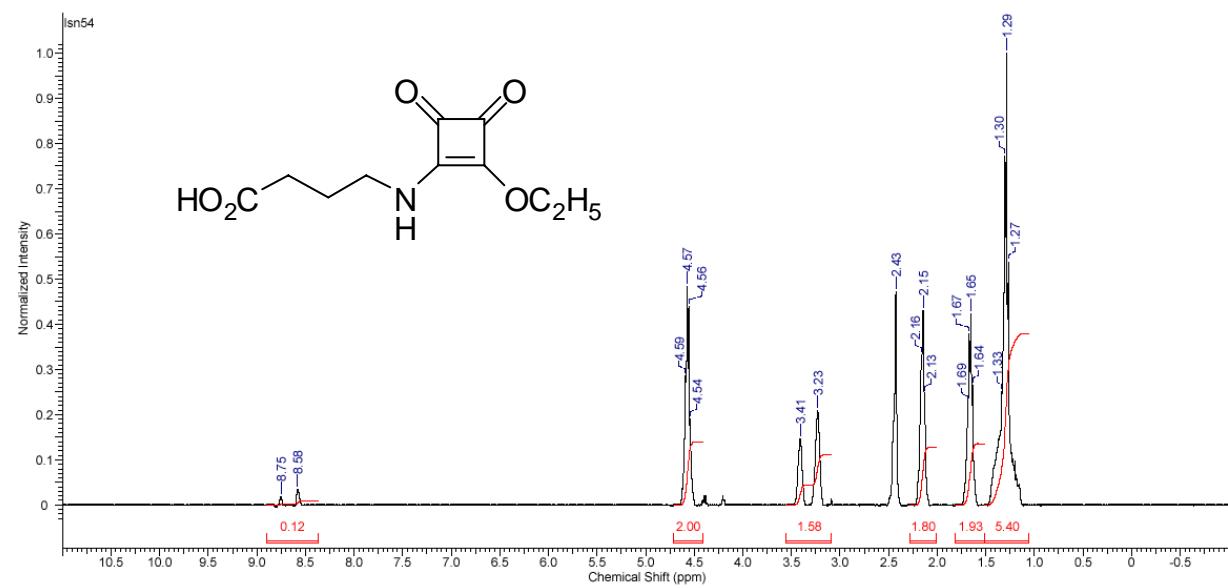
Chemical shifts ( $^1\text{H-NMR}$ ) for diagnostic protons upon titration of **5g** with  $\text{MgCl}_2$

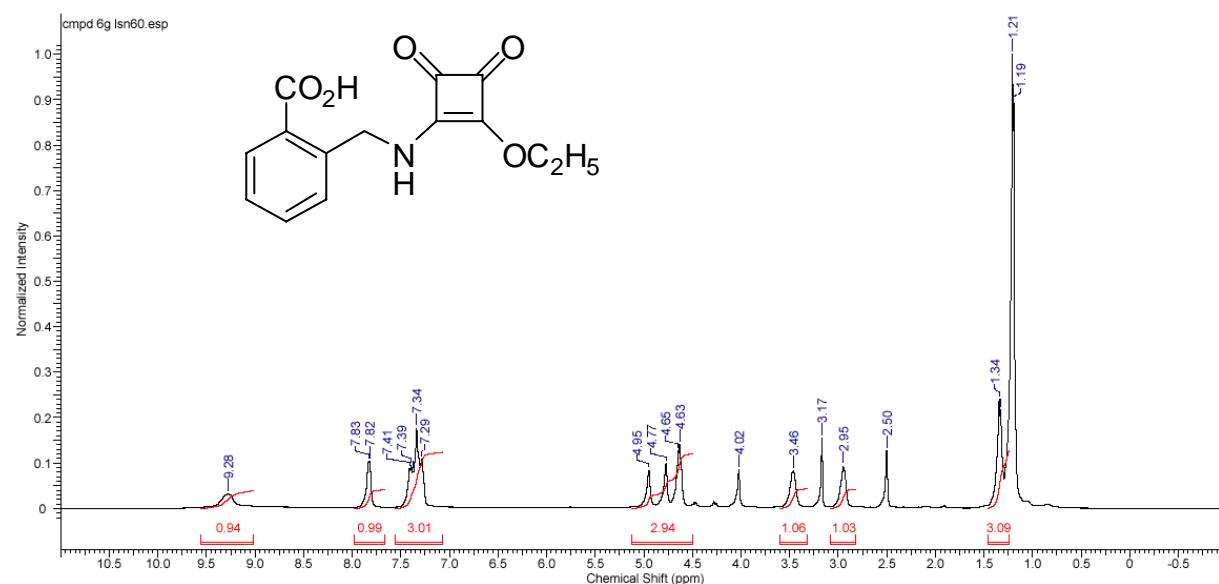
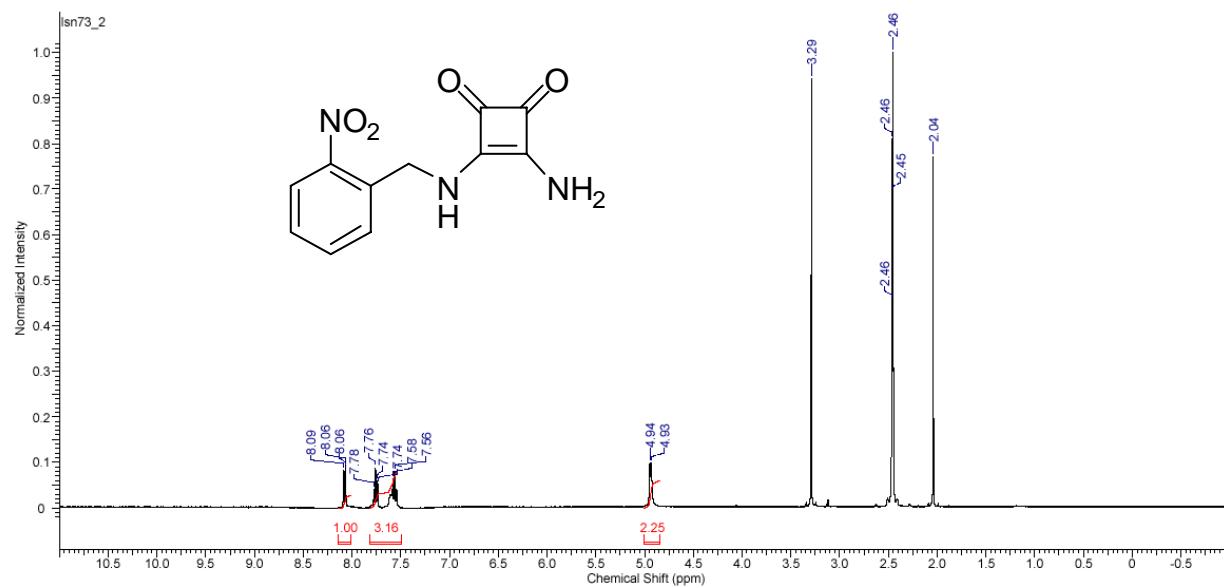


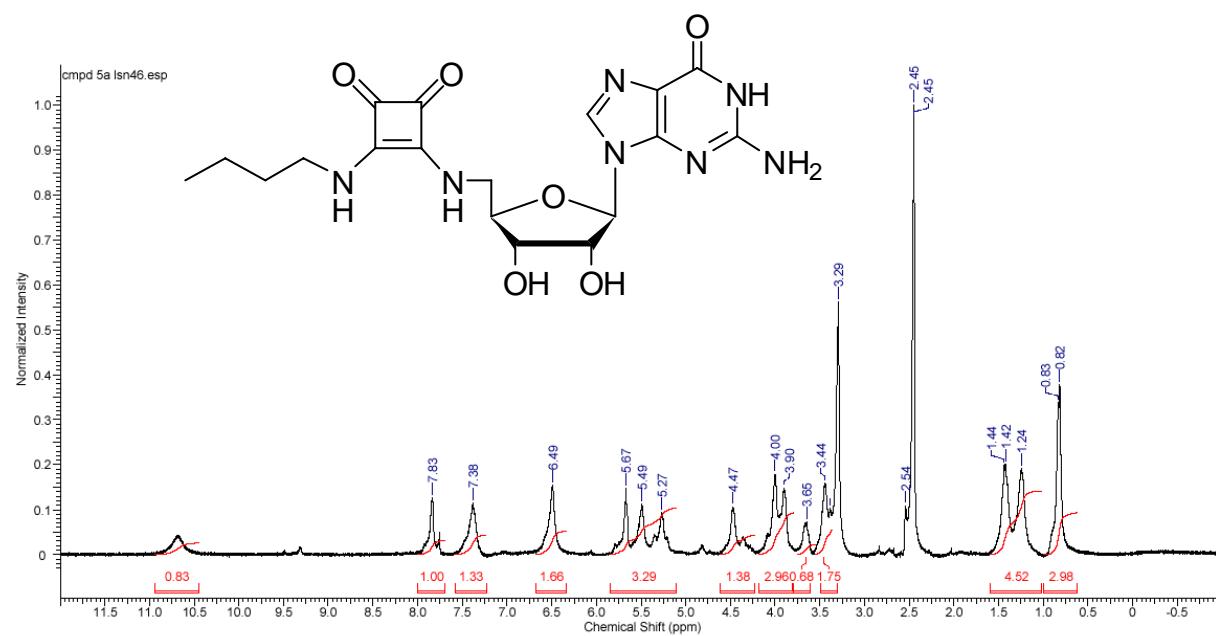
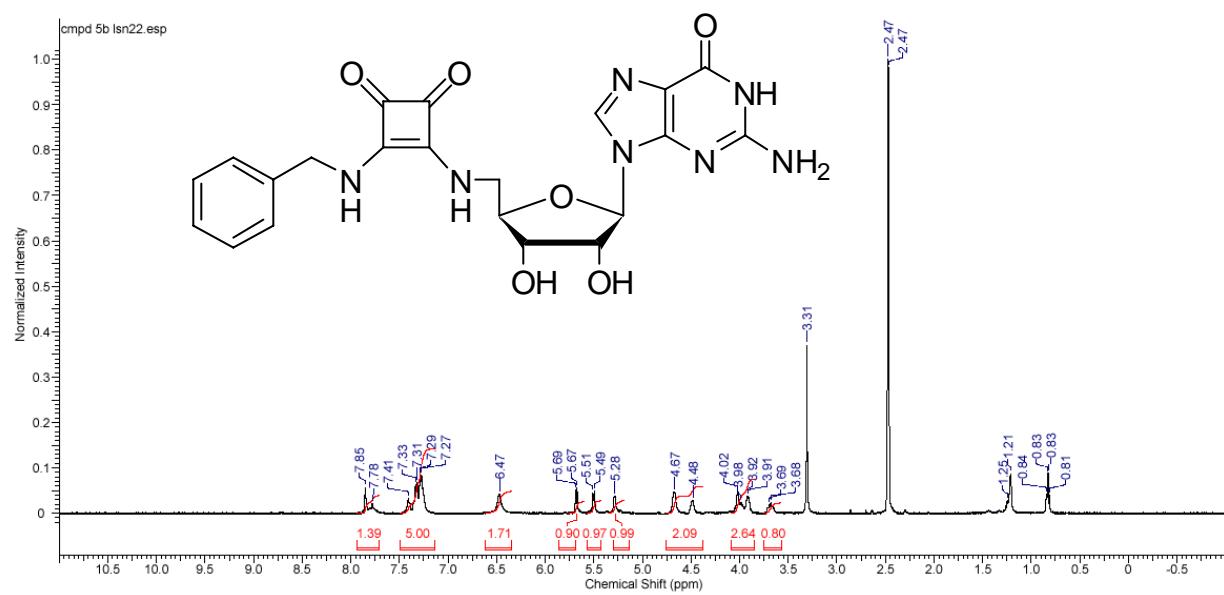
<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – 3<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – 4

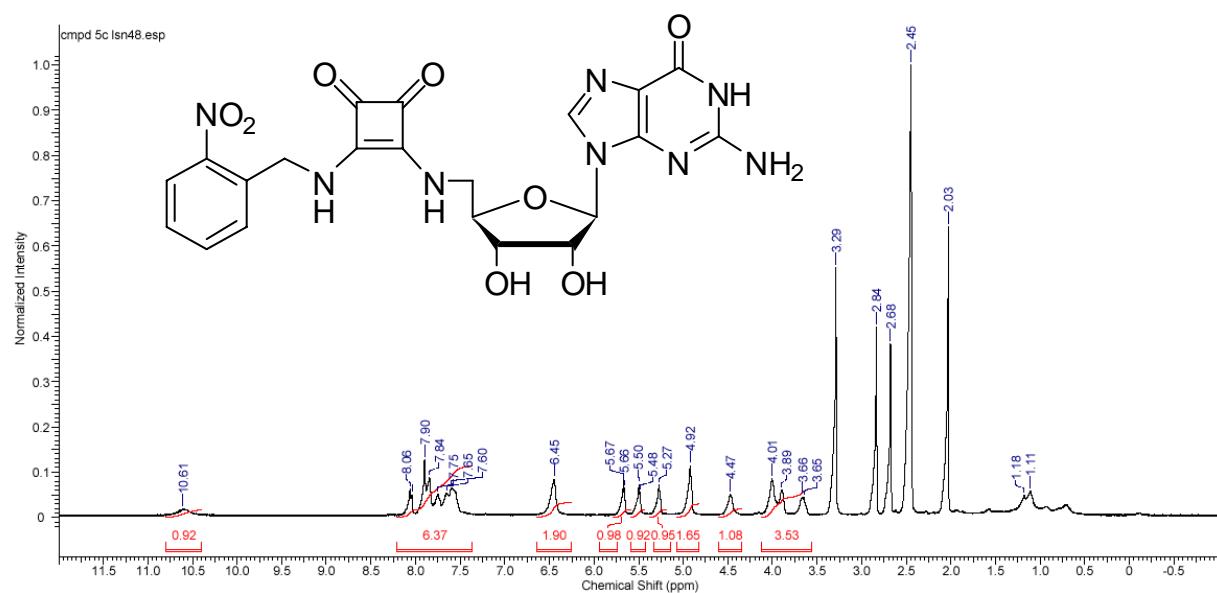
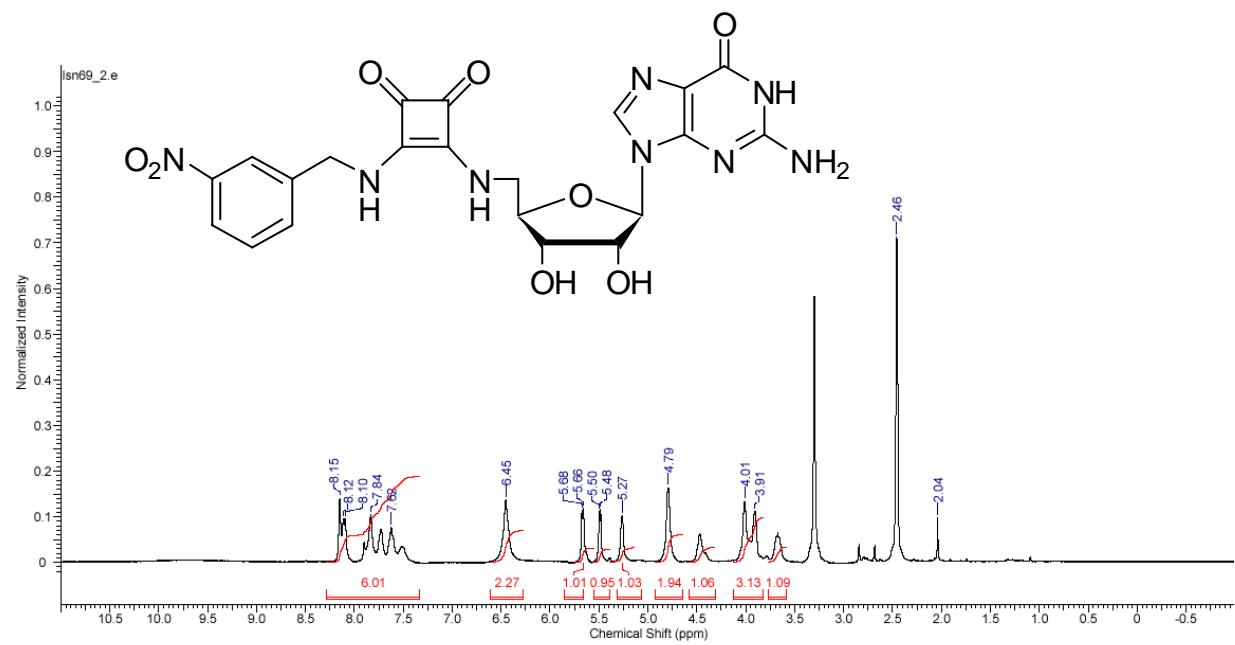
<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **6a**<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **6b**

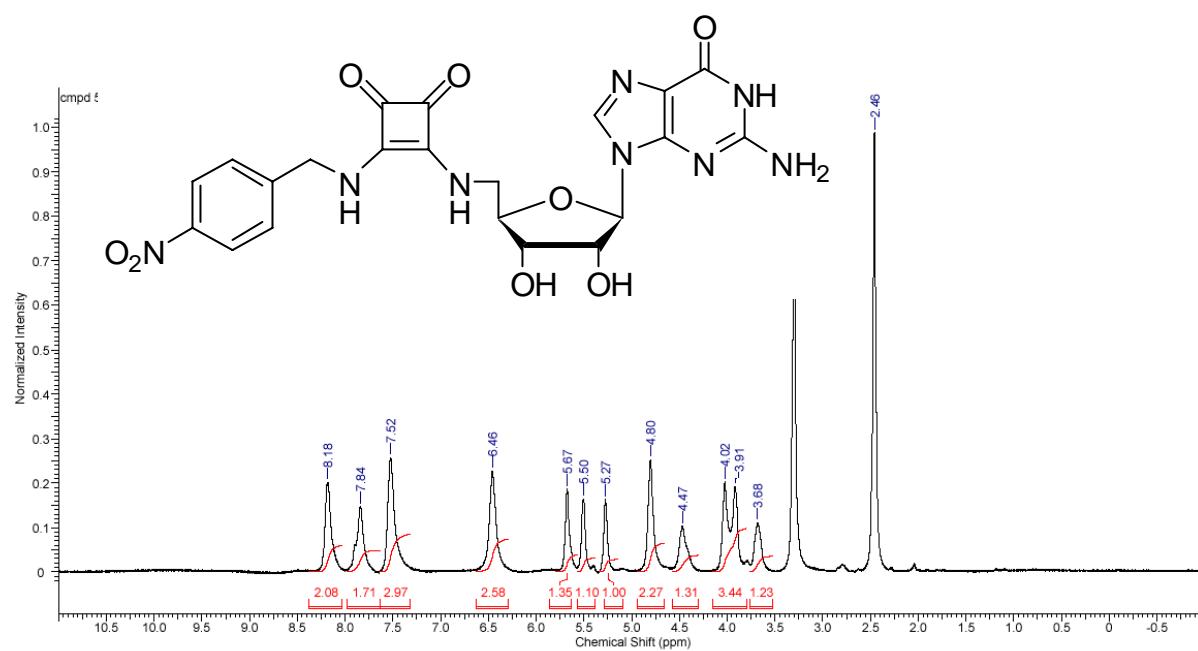
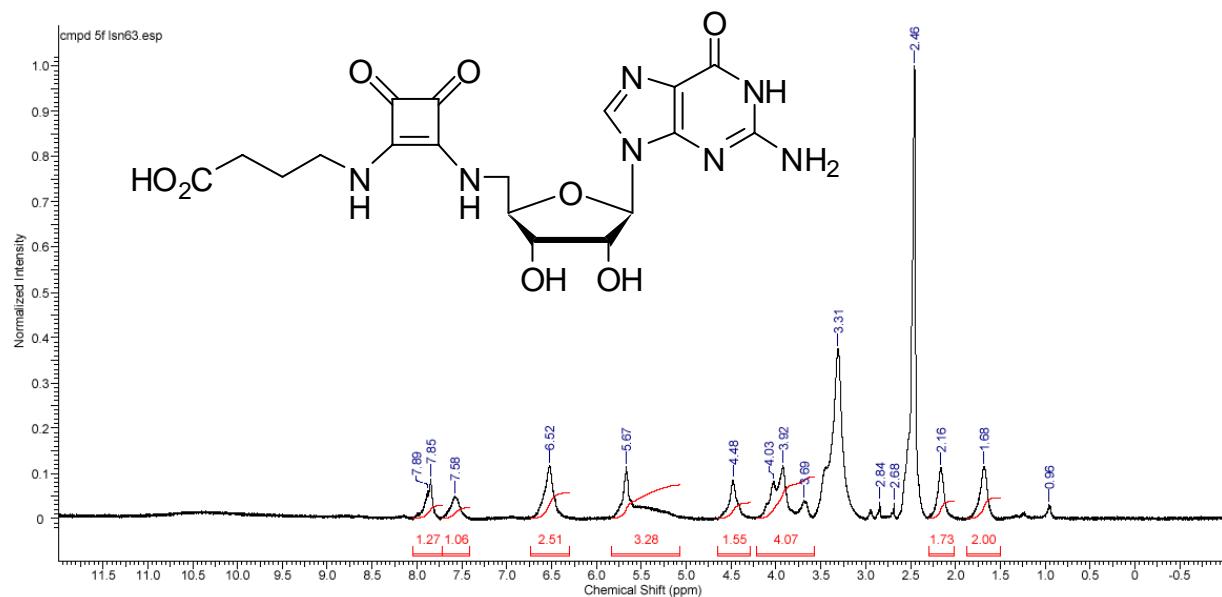
<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **6c**<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **6d**

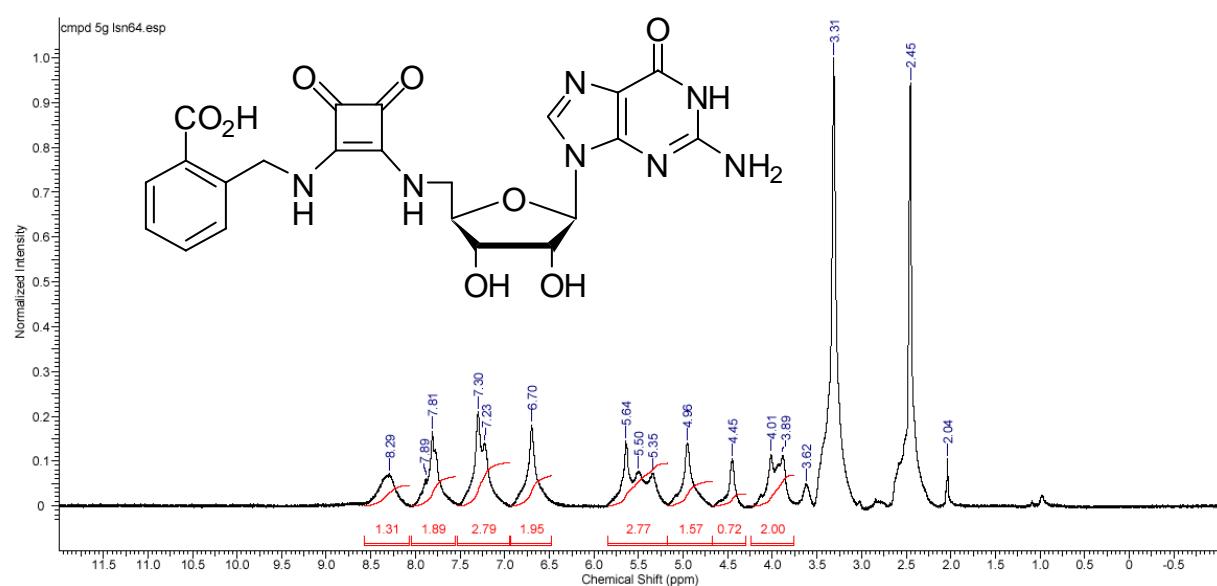
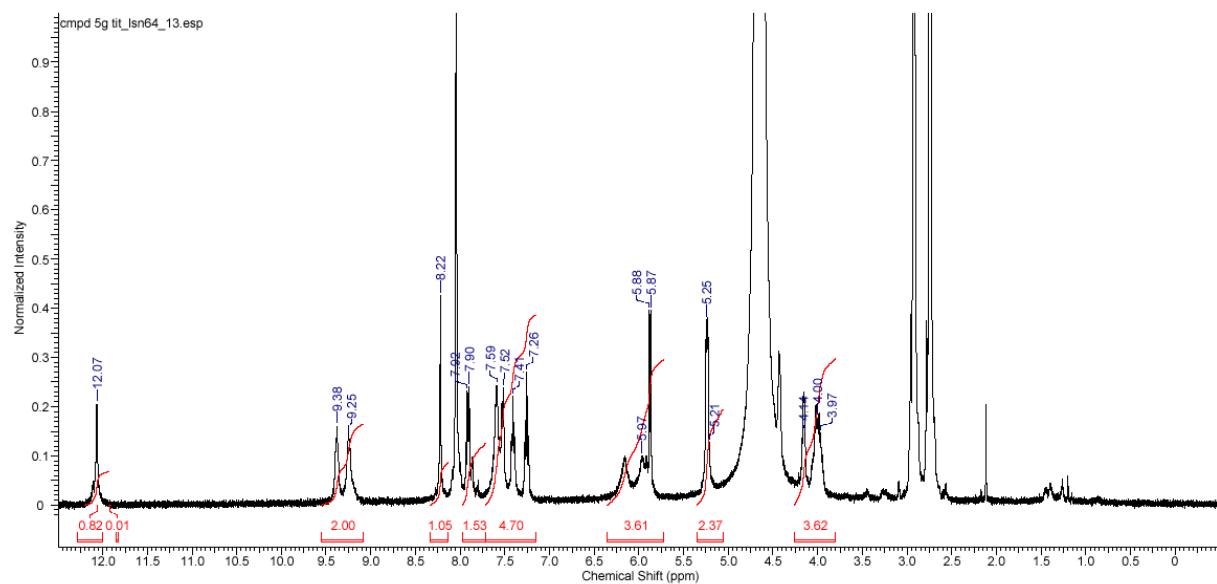
<sup>1</sup>H-NMR spectrum (400 MHz, d<sub>6</sub>-DMSO) – **6e**<sup>1</sup>H-NMR spectrum (400 MHz, d<sub>6</sub>-DMSO) – **6f**

<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **6g**<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **7**

<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **5a**<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **5b**

<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **5c**<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **5d**

<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **5e**<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **5f**

<sup>1</sup>H-NMR spectrum (400 MHz, d6-DMSO) – **5g**<sup>1</sup>H-NMR spectrum (400 MHz, d7-DMF) – **5g**

<sup>1</sup>H-NMR spectra for titration of **5g** with MgCl<sub>2</sub> (400 MHz, d7-DMF)

