

Electronic Supplementary Information

Design and tuning of photoswitches for solar energy storage

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1. Characterization methods

^1H and ^{13}C NMR spectra were recorded on a Bruker ARX-300. Dimethylsulfoxide- d_6 and methanol- d_4 have been used as deuterated solvents, using its signal as standard. Chemical shifts are given in ppm and coupling constants in hertz.

Electrospray mass spectra were recorded on an Ultra Performance Liquid chromatography Acquity Waters with an interface to high resolution mass spectrometry was performed in a Bruker Microtof-Q electrospray source in positive-ion mode.

2. NMR spectra

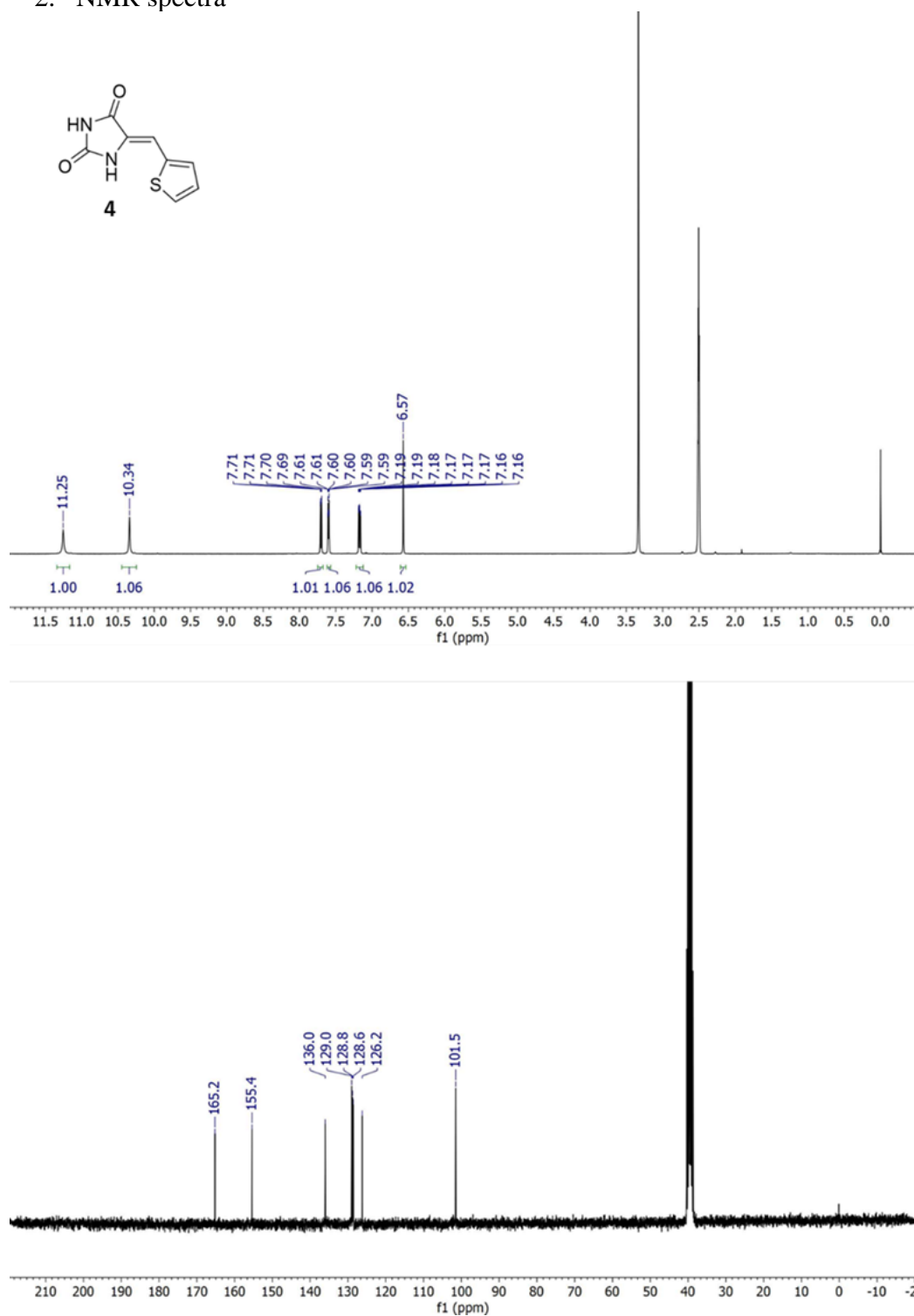


Figure SII. NMR spectra of **4**.

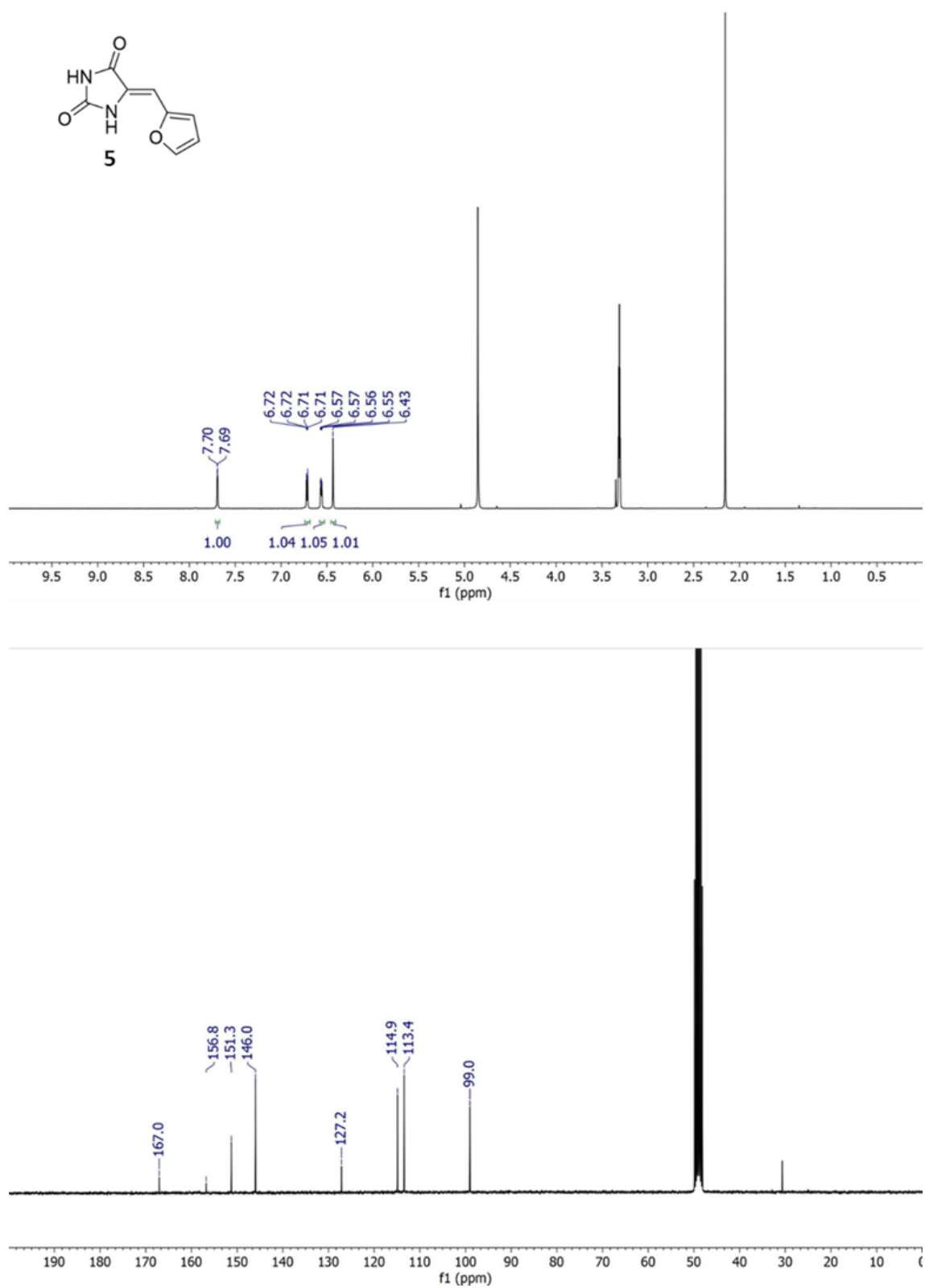


Figure SI2. NMR spectra of **5**.