Electronic Supplementary Information for:

[2]Pseudorotaxanes, [2]rotaxanes and metal-organic rotaxane frameworks containing tetra-substituted dibenzo[24]crown-8 wheels

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NMR Spectral Details

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500 MHz ¹H NMR spectrum of **2a** in CDCl₃ solution at 300K



125 MHz 13 C NMR spectrum of **2b** in CD₃CN solution at 300K



500 MHz ¹H NMR spectrum of **2c** in CD₃CN solution at 300K



125 MHz 13 C NMR spectrum of **2c** in CD₃CN solution at 300K



125 MHz $^{\rm 13}C$ NMR spectrum of 2d in CD_2Cl_2 solution at 300K



125 MHz $^{\rm 13}C$ NMR spectrum of 2e in CD_2Cl_2 solution at 300K



500 MHz ¹H NMR spectrum of [4⊂2b][OTf]₄ in CD₃CN solution at 300K



125 MHz ¹³C NMR spectrum of [4⊂2b][OTf]₄ in CD₃CN solution at 300K



500 MHz ¹H NMR spectrum of $[4 \subset 2c]$ [OTf]₄ in CD₃CN solution at 300K



125 MHz ¹³C NMR spectrum of [4**2**c][OTf]₄ in CD₃CN solution at 300K



500 MHz ¹H NMR spectrum of [4**2**][OTf]₄ in CD₃NO₂ solution at 300K



125 MHz ¹³C NMR spectrum of [4**2**][OTf]₄ in CD₃CN solution at 300K



500 MHz ¹H NMR spectrum of [4**2**][OTf]₄ in CD₃NO₂ solution at 300K



125 MHz 13 C NMR spectrum of [4 \frown 2e][OTf]₄ in CD₃CN solution at 300K



500 MHz ¹H NMR spectrum of [5⊂2e][OTf]₄ in CD₃CN solution at 300K



500 MHz ¹H NMR spectrum of [(Ru(terpy))₂(**52e**)][OTf]₈ in CD₃CN solution at 300K