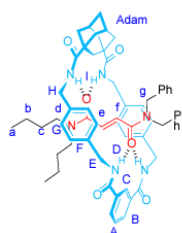


*Files folders for the fair data of the published article*

**Mechanically Planar-to-Point Chirality Transmission in [2]Rotaxanes** by *Julio Puigvercer, Marta Marin-Luna, Javier Iglesias-Sigüenza, Mateo Alajarin, Alberto Martinez-Cuezva\* and Jose Berna\** published in *Journal of the American Chemical Society*, 2024, DOI: **10.1021/jacs.3c11611**; E-mail: amcuezva@um.es; ppberna@um.es

**Compound 4b**



*Fair data for 4b > NMR > 1H >*

*Fair data for 4b > NMR > 13C >*

*Fair data for 4b > NMR > DEPT >*

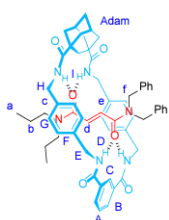
*Fair data for 4b > NMR > COSY >*

*Fair data for 4b > NMR > HMQC >*

*Fair data for 4b > NMR > HMBC >*

*Fair data for 4b > HRMS*

**Compound 4c**



*Fair data for 4c > NMR > 1H >*

*Fair data for 4c > NMR > 13C >*

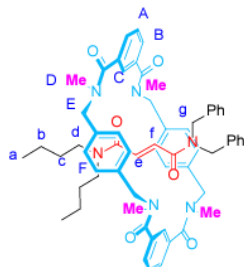
*Fair data for 4c > NMR > DEPT >*

*Fair data for 4c > NMR > COSY >*

Fair data for **4c** > NMR > HMQC >

Fair data for **4c** > NMR > HMBC >

### Compound **6a**

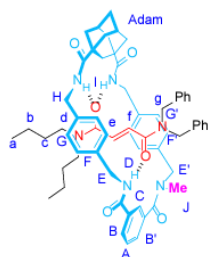


Fair data for **6a** > NMR >  $^1\text{H}$  >

Fair data for **6a** > NMR >  $^{13}\text{C}$  >

Fair data for **6a** > HRMS

### Compound **rac-1b**



Fair data for **rac-1b** > NMR >  $^1\text{H}$  >

Fair data for **rac-1b** > NMR >  $^{13}\text{C}$  >

Fair data for **rac-1b** > NMR > DEPT >

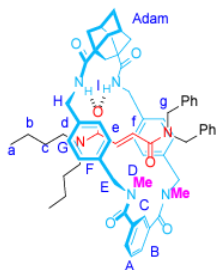
Fair data for **rac-1b** > NMR > COSY >

Fair data for **rac-1b** > NMR > HMQC >

Fair data for **rac-1b** > NMR > HMBC >

Fair data for **rac-1b** > HRMS

### Compound 5b



Fair data for **5b** > NMR >  $^1H$  >

Fair data for **5b** > NMR >  $^{13}C$  >

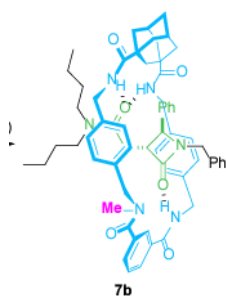
Fair data for **5b** > NMR > DEPT >

Fair data for **5b** > NMR > COSY >

Fair data for **5b** > NMR > HMQC >

Fair data for **5b** > NMR > HMBC >

### Compound 7b



Fair data for **7b** > NMR >  $^1H$  >

Fair data for **7b** > NMR >  $^{13}C$  >

Fair data for **7b** > NMR > DEPT >

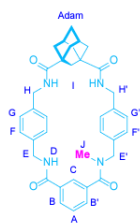
Fair data for **7b** > NMR > COSY >

Fair data for **7b** > NMR > HMQC >

Fair data for **7b** > NMR > HMBC >

Fair data for **7b** > HRMS

### Compound M1



*Fair data for **1b** > NMR > <sup>1</sup>H >*

*Fair data for **1b** > NMR > <sup>13</sup>C >*

*Fair data for **1b** > NMR > DEPT >*

*Fair data for **1b** > NMR > COSY >*

*Fair data for **1b** > NMR > HMQC >*

*Fair data for **1b** > HRMS*

*Fair data for single-crystal X-Ray diffraction for compounds **1b**, **5b** and **7b***