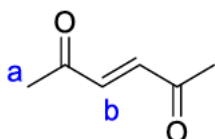


Conjugated bis(enaminones) as effective templates for rotaxane assembly and their post-synthetic modifications

Syed S. Razi, Marta Marin-Luna, Mateo Alajarin, Alberto Martinez-Cuezva & Jose Berna

Compound 5



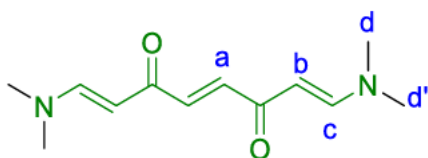
Fair data for 5 > NMR > 1H >

Fair data for 5 > NMR > 13C >

Fair data for 5 > NMR > COSY >

Fair data for 5 > HRMS

Compound 6

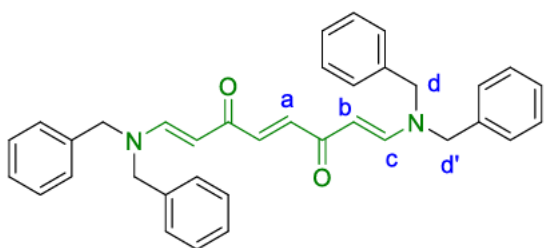


Fair data for 6 > NMR > 1H >

Fair data for 6 > NMR > 13C >

Fair data for 6 > HRMS

Thread 3a



Fair data for **3a** > NMR > ^1H >

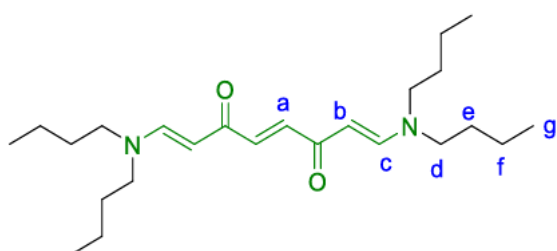
Fair data for **3a** > NMR > ^{13}C >

Fair data for **3a** > NMR > DEPT >

Fair data for **3a** > NMR > COSY >

Fair data for **3a** > HRMS

Thread 3b

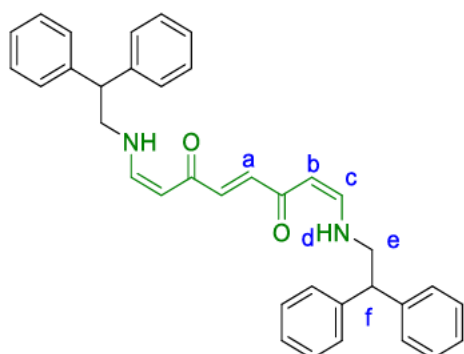


Fair data for **3b** > NMR > ^1H >

Fair data for **3b** > NMR > ^{13}C >

Fair data for **3b** > HRMS

Thread 3c



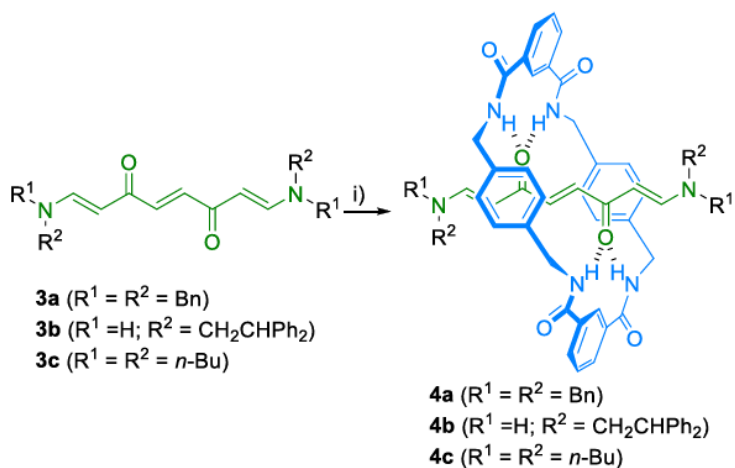
Fair data for **3c** > NMR > ^1H >

Fair data for **3c** > NMR > ^{13}C >

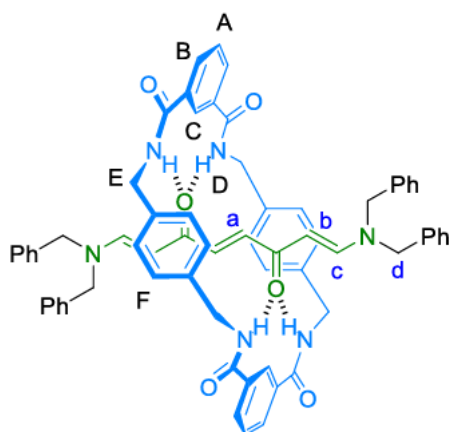
Fair data for **3c** > NMR > DEPT >

Fair data for **3c** > NMR > COSY >

Fair data for **3c** > HRMS



Compound 4a



Fair data for **4a** > NMR > ^1H >

Fair data for **4a** > NMR > ^{13}C >

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

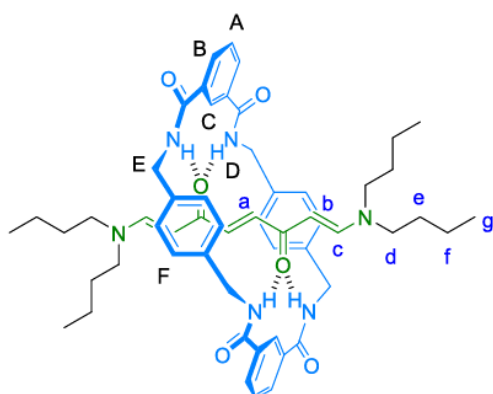
Fair data for **4a** > NMR > COSY >

Fair data for **4a** > NMR > NOESY >

Fair data for **4a** > NMR > HSQC >

Fair data for **4a** > HRMS

Compound 4b



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

Fair data for **4b** > NMR > ^{13}C >

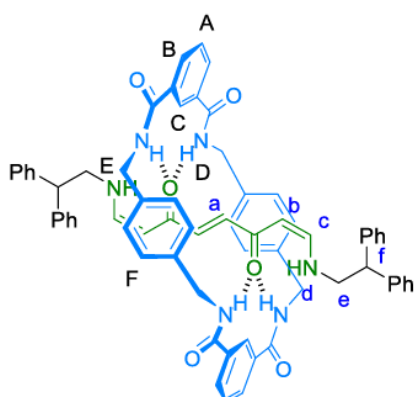
Fair data for **4b** > NMR > DEPT >

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

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

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

Compound 4c



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

Fair data for **4c** > NMR > ^{13}C >

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

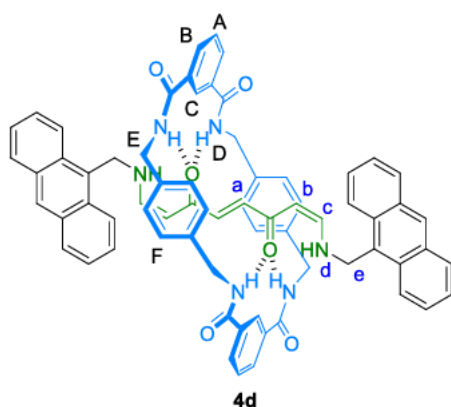
Fair data for **4c** > NMR > COSY >

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

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

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

Compound **4d**



Fair data for **4d** > NMR > ^1H >

Fair data for **4d** > NMR > ^{13}C >

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

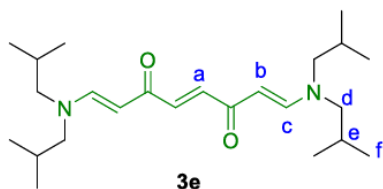
Fair data for **4d** > NMR > COSY >

Fair data for **4d** > NMR > NOESY >

Fair data for **4d** > NMR > HSQC >

Fair data for **4d** > HRMS

Thread **3e**



Fair data for **3e** > NMR > ^1H >

Fair data for **3e** > NMR > ^{13}C >

Fair data for **3e** > NMR > DEPT >

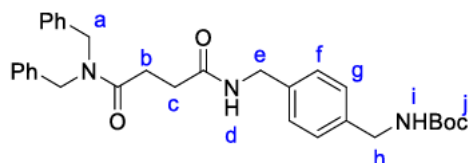
Fair data for 3e > NMR > COSY >

Fair data for 3e > NMR > NOESY >

Fair data for 3e > NMR > HSQC >

Fair data for 3e > HRMS

Compound S5



Fair data for S5 > NMR > 1H >

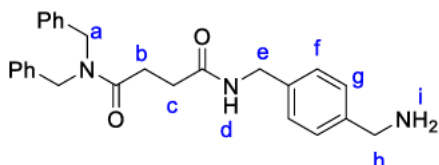
Fair data for S5 > NMR > 13C >

Fair data for S5 > NMR > DEPT >

Fair data for S5 > NMR > COSY >

Fair data for S5 > HRMS

Compound S3



Fair data for S3 > NMR > 1H >

Fair data for S3 > NMR > 13C >

Fair data for S3 > NMR > DEPT >

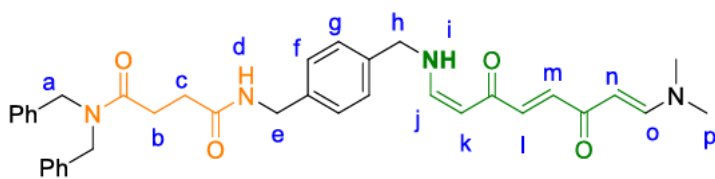
Fair data for S3 > NMR > COSY >

Fair data for S3 > NMR > NOESY >

Fair data for S3 > NMR > HSQC >

Fair data for S3 > HRMS

Compound S6



Fair data for S6 > NMR > 1H >

Fair data for S6 > NMR > 13C >

Fair data for S6 > NMR > DEPT >

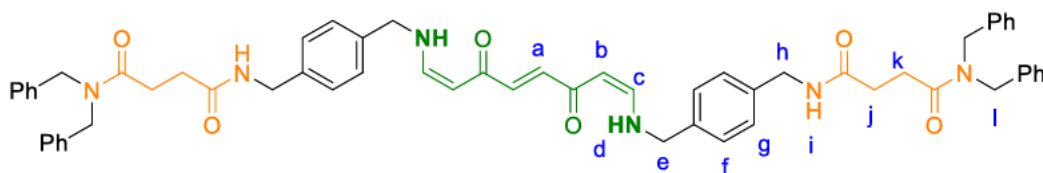
Fair data for S6 > NMR > COSY >

Fair data for S6 > NMR > NOESY >

Fair data for S6 > NMR > HSQC >

Fair data for S6 > HRMS

Thread 6



Fair data for 6 > NMR > 1H >

Fair data for 6 > NMR > 13C >

Fair data for 6 > NMR > DEPT >

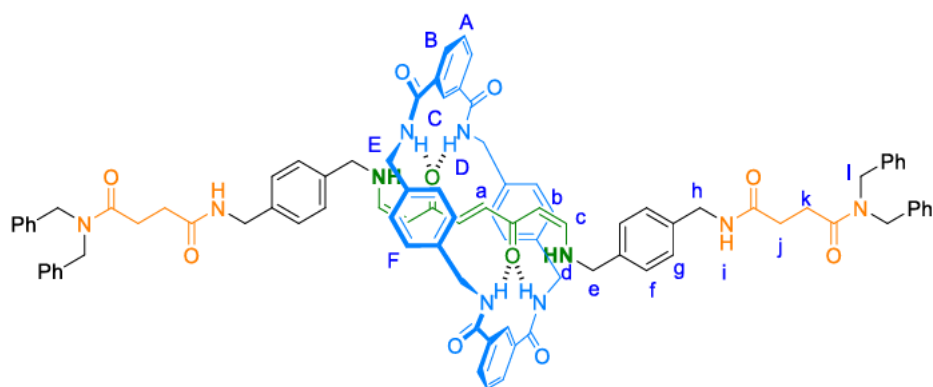
Fair data for 6 > NMR > COSY >

Fair data for 6 > NMR > NOESY >

Fair data for 6 > NMR > HSQC >

Fair data for 6 > HRMS

Compound 5 (Shuttle5)



Fair data for 5 > NMR > 1H >

Fair data for 5 > NMR > 13C >

Fair data for 5 > NMR > DEPT >

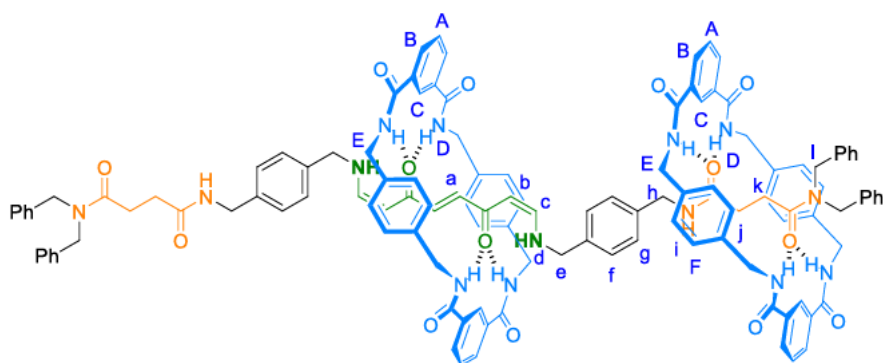
Fair data for 5 > NMR > COSY >

Fair data for 5 > NMR > NOESY >

Fair data for 5 > NMR > HSQC >

Fair data for 5 > NMR > HRMS >

Compound S7



Fair data for S7 > NMR > 1H >

Fair data for S7 > NMR > 13C >

Fair data for S7 > NMR > DEPT >

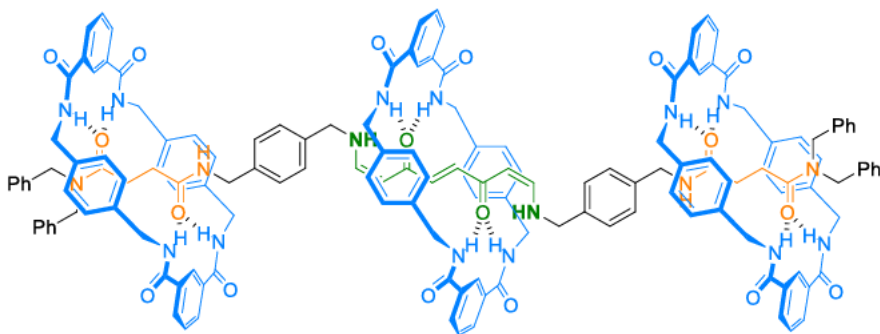
Fair data for S7 > NMR > COSY >

Fair data for S7 > NMR > NOESY >

Fair data for S7 > NMR > HSQC >

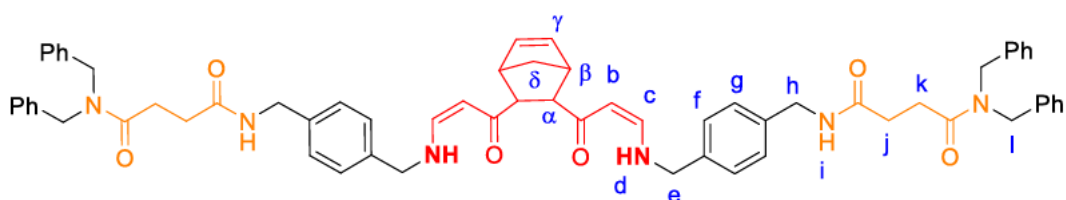
Fair data for S7 > HRMS

Compound S8



Fair data for S8 > HRMS

Compound Cp-6



Fair data for Cp-6 > NMR > 1H >

Fair data for Cp-6 > NMR > 13C >

Fair data for Cp-6 > NMR > DEPT >

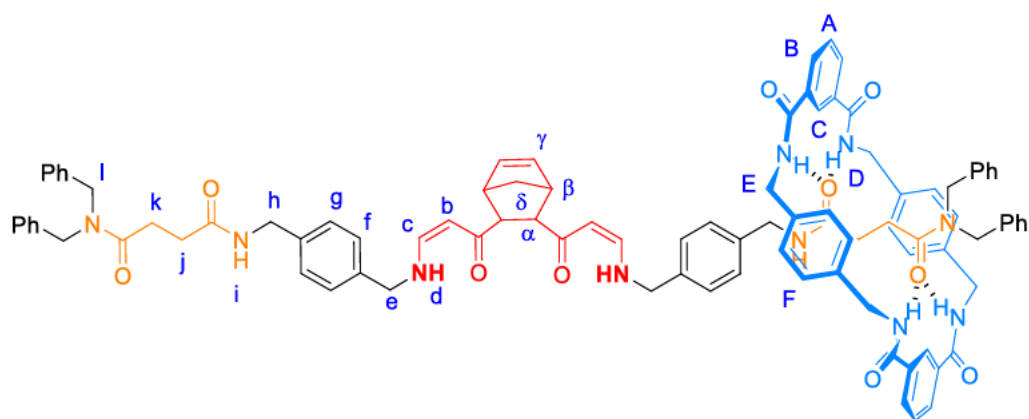
Fair data for Cp-6 > NMR > COSY >

Fair data for Cp-6 > NMR > NOESY >

Fair data for Cp-6 > NMR > HSQC >

Fair data for Cp-6 > HRMS

Compound Cp-5



Fair data for Cp-5 > NMR > 1H >

Fair data for Cp-5 > NMR > 13C >

Fair data for Cp-5 > NMR > DEPT >

Fair data for Cp-5 > NMR > COSY >

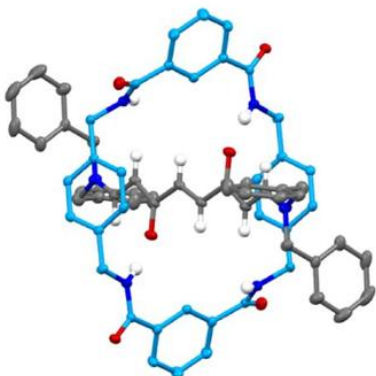
Fair data for Cp-5 > NMR > NOESY >

Fair data for Cp-5 > NMR > HSQC >

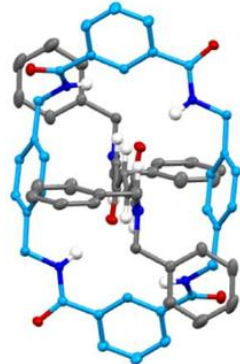
Fair data for Cp-5 > HRMS

Fair data for single-crystal X-Ray diffraction for Rotaxane 4a

a)



b)



c)

