Self-Assembly of Novel [3]- and [2]Rotaxanes Based on Donor-Acceptor and
Hydrogen Bonding Interactions. Intensified Inter-Ring Repulsion Interaction and
Shuttling Behavior

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Supporting Information

17·4Cl in methanol-d₄ (10 mM) at 293 K.

17·4Cl in methanol-d₄ (10 mM) at 273 K.

17·4Cl in methanol-d₄ (10 mM) at 263 K.

17·4Cl in methanol-d₄ (10 mM) at 253 K.

17·4Cl in methanol- d_4 (10 mM) at 243 K.

21·4Cl in DMSO- d_6 (10 mM) at 363 K.

21·4Cl in DMSO-d₆ (10 mM) at 353 K.

21·4Cl in DMSO-d₆ (10 mM) at 343 K.

21·4Cl in DMSO-d₆ (10 mM) at 333 K.

21·4Cl in DMSO-d₆ (10 mM) at 323 K.

21·4Cl in DMSO-d₆ (10 mM) at 313 K.

21·4Cl in DMSO-d₆ (10 mM) at 303 K.

21·4Cl in DMSO-d₆ (10 mM) at 293 K.

21·4Cl in methanol-d₄ (10 mM) at 273 K.

21·4Cl in methanol-d₄ (10 mM) at 263 K.

21·4Cl in methanol-d₄ (10 mM) at 253 K.

21·4Cl in methanol-d₄ (10 mM) at 243 K.

22a·4Cl in methanol-d₄ (10 mM) at 293 K.

22a·4Cl in methanol-d₄ (10 mM) at 273 K.

22a·4Cl in methanol-d₄ (10 mM) at 263 K.

22a·4Cl in methanol-d₄ (10 mM) at 253 K.

22a·4Cl in methanol-d₄ (10 mM) at 243 K.

22b·4Cl in methanol-d₄ (10 mM) at 293 K.

22b·4Cl in methanol-d₄ (10 mM) at 273 K.

22b·4Cl in methanol-d₄ (10 mM) at 263 K.

22b·4Cl in methanol-d₄ (10 mM) at 253 K.

22b·4Cl in methanol-d₄ (10 mM) at 243 K.

24a·4Cl in DMSO-d₆ (10 mM) at 353 K.

24a·4Cl in DMSO-d₆ (10 mM) at 343 K.

24a·4Cl in DMSO-d₆ (10 mM) at 333 K.

24a·4Cl in DMSO-d₆ (10 mM) at 323 K.

24a·4Cl in DMSO-d₆ (10 mM) at 313 K.

24a·4Cl in DMSO-d₆ (10 mM) at 303 K.

24a·4Cl in DMSO-d₆ (10 mM) at 293 K.

24a·4Cl in methanol-d₄ (7 mM) at 273 K.

24a·4Cl in methanol-d₄ (7 mM) at 263 K.

24a·4Cl in methanol-d₄ (7 mM) at 253 K.

24a·4Cl in methanol-d₄ (7 mM) at 243 K.

24b·4Cl in DMSO-d₆ (5 mM) at 353 K.

24b·4Cl in DMSO-d₆ (5 mM) at 343 K.

24b·4Cl in DMSO-d₆ (5 mM) at 333 K.

24b·4Cl in DMSO-d₆ (5 mM) at 323 K.

24b·4Cl in DMSO-d₆ (5 mM) at 313 K.

24b·4Cl in DMSO-d₆ (5 mM) at 303 K.

24b·4Cl in DMSO-d₆ (5 mM) at 293 K.

24b·4Cl in methanol-d₄ (10 mM) at 283 K.

24b·4Cl in methanol-d₄ (10 mM) at 273 K.

24b·4Cl in methanol-d₄ (10 mM) at 263 K.

24b·4Cl in methanol-d₄ (10 mM) at 253 K.

24b·4Cl in methanol-d₄ (10 mM) at 243 K.