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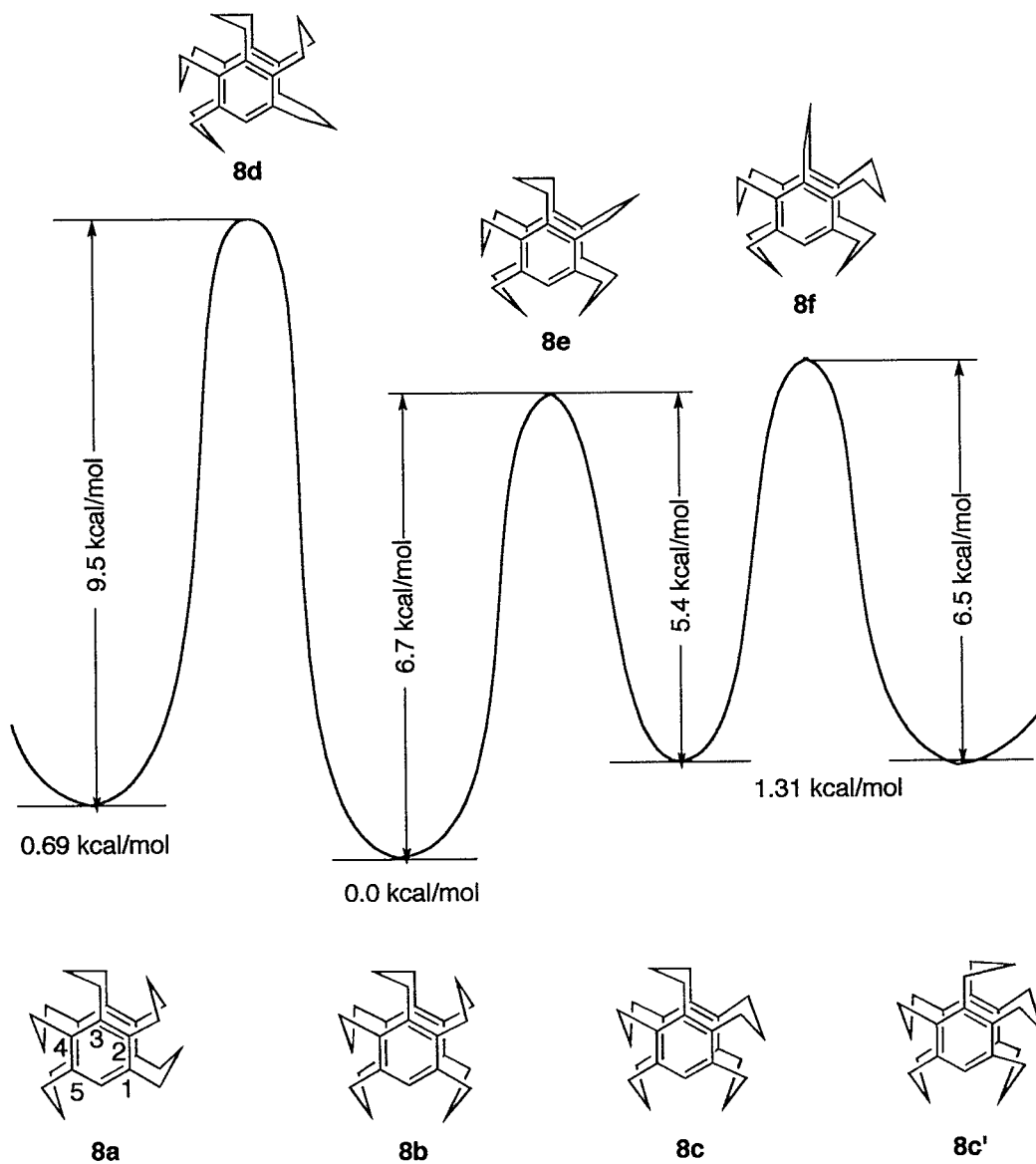
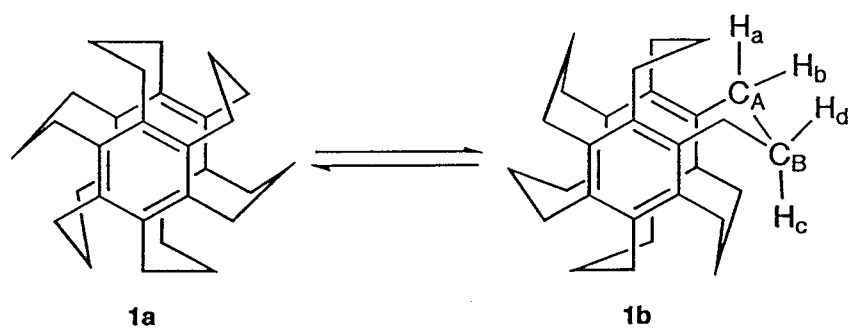


Figure S1. Relative thermodynamical stability of the stable conformers **8a-c** and transition state structures **8d-f** estimated by MM3. (supporting information)



$$\Delta G^\ddagger = 10.9 \text{ kcal/mol}$$

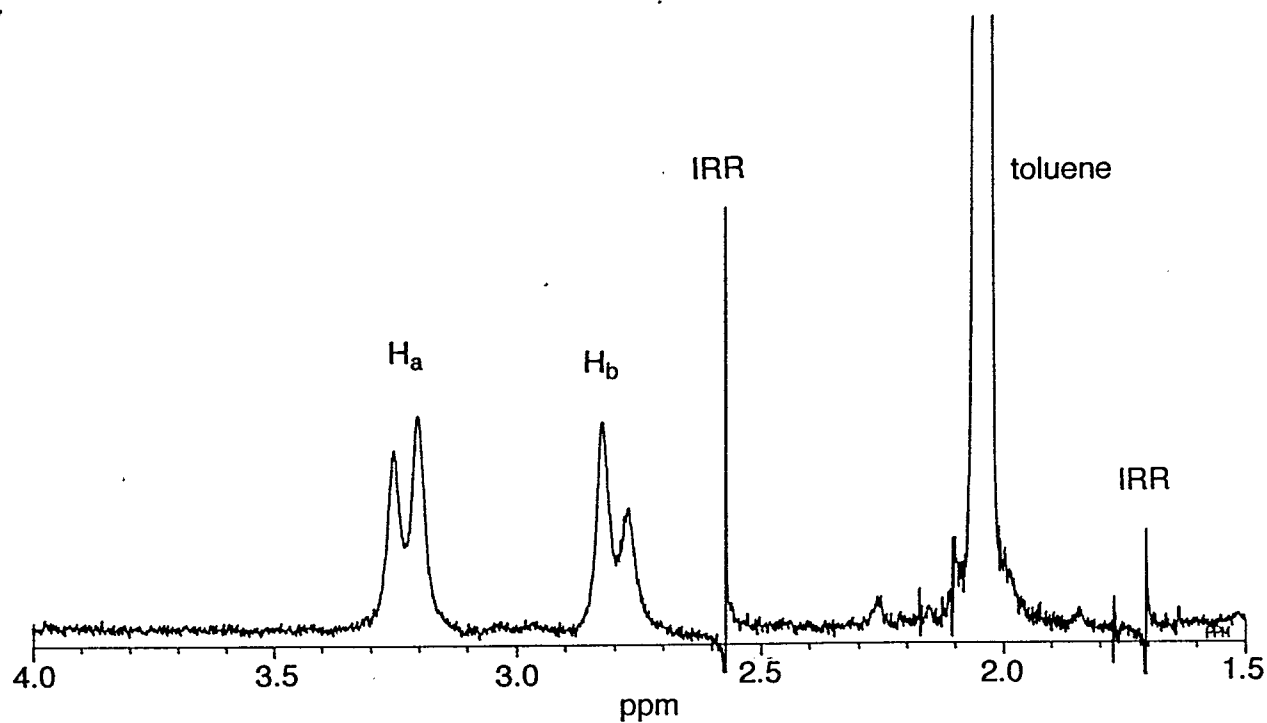


Figure S2. The double spin decoupling (H_c , H_d) spectrum of **1** at -70°C (270 MHz, toluene- d_8) (supporting information)