
SUPPLEMENTARY INFORMATION

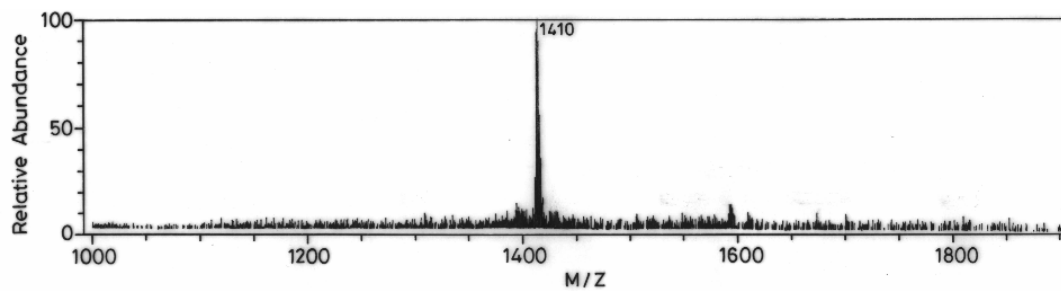
**Figure-Eight Aromatic Core-modified Octaphyrins With Six
meso Links: Syntheses and Structural Characterization**

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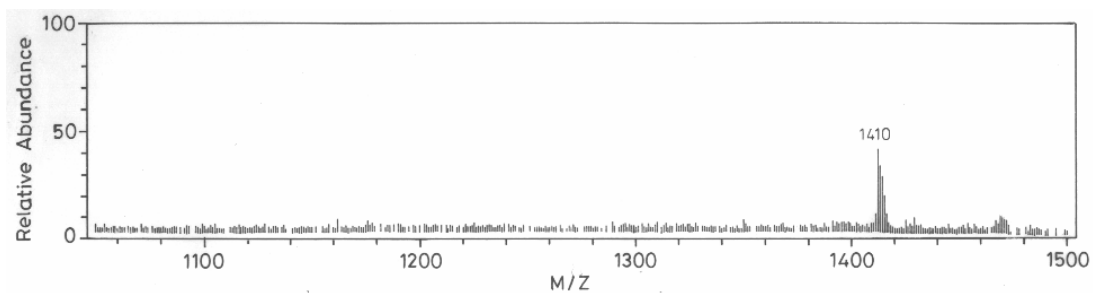
CONTENTS

- S1 FAB - Mass Spectra for 5, 6 & 7**
 - S2 UV - Vis Spectra of 6 & 7**
 - S3 NMR Spectra of 5**
 - S4 Synthetic procedure**
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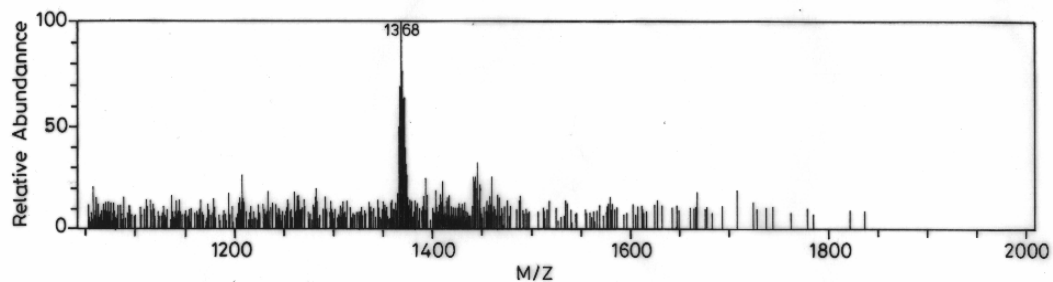
S1-A: FAB-MASS Spectrum of 5:



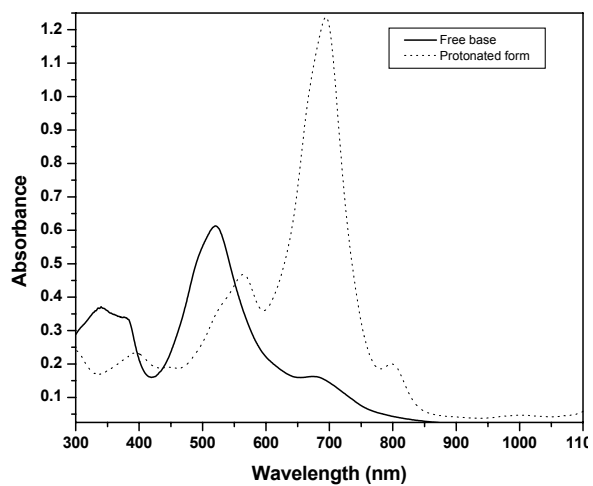
S1-B: FAB-MASS Spectrum of 6:



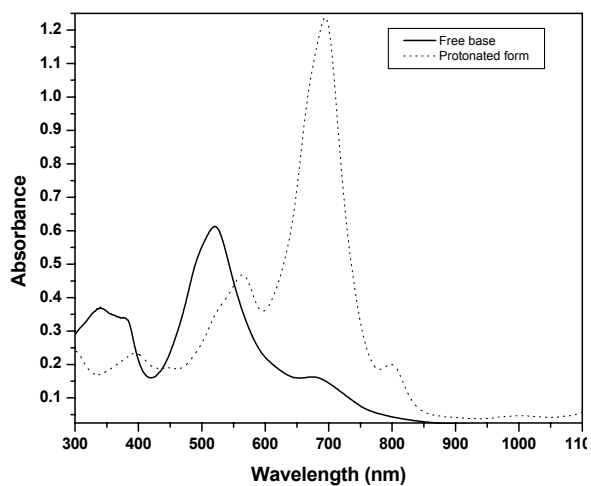
S1-C: FAB-MASS Spectrum of 7:



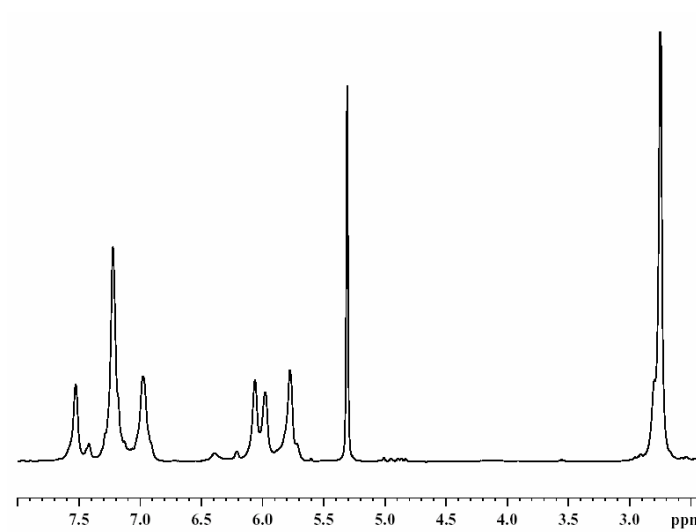
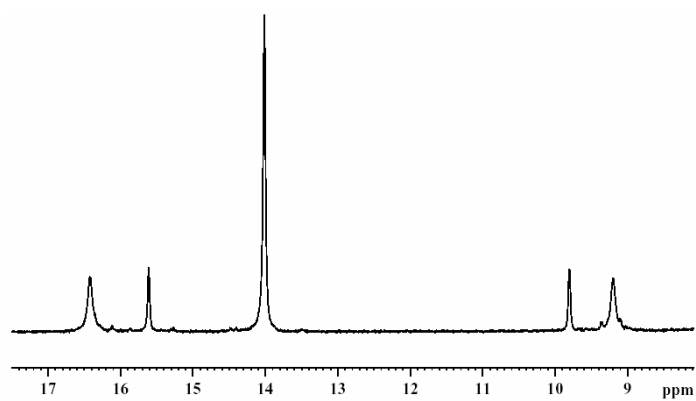
S2-A: UV - Vis Spectrum of 6:



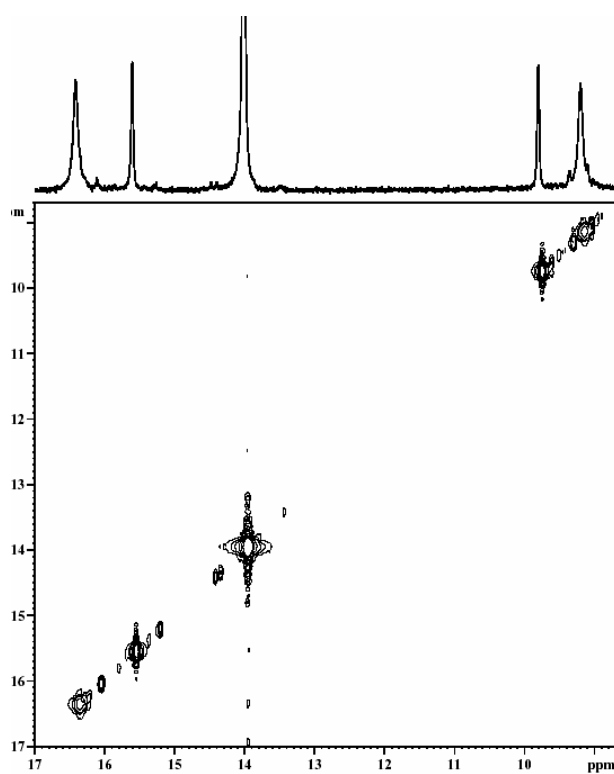
S2-B: UV - Vis Spectrum of 7



S3: ^1H NMR Spectra of 5:



^1H spectrum of free base 5 at 208K in CD_2Cl_2



^1H - ^1H COSY spectrum of free base 5 at 208K in CD_2Cl_2

S4: Synthetic procedure: Macrocycle 5

In presence of acid catalyst:

In a typical procedure, modified tetrapyrane **4** (0.6 g, 1.1 mmol) was reacted with pentafluoro benzaldehyde (0.14ml, 1.1mmol) in dry dichloromethane (250 mL) and stirred under a nitrogen atmosphere in the absence of light for 15 min. *p*-Tolyl sulphonic acid (0.0452 g, 0.22 mmol)/ methane sulphonic acid (0.007ml, 0.11mmol) was added and stirring continued for 90 min. The reaction mixture was exposed to air, and chloranil (0.2925g, 1.1mmol) was added; the reaction mixture was refluxed for 90 min on a preheated oil bath. The solvent was removed under reduced pressure. Upon purification by column chromatography with alumina (basic, grade III), a pink band eluted with 2:3 dichloromethane/petroleum ether, which on solvent evaporation afforded **5** as a dark green solid [170 mg, 11%].

In absence of acid catalyst:

In a typical procedure, modified tetrapyrane **4** (0.6 g, 1.1 mmol) was reacted with pentafluoro benzaldehyde (0.14ml, 1.1mmol) in dry dichloromethane (10 mL) and stirred under a nitrogen atmosphere in the absence of light for 90 min. The reaction mixture was exposed to air, and DDQ (0.2497g, 1.1mmol) was added along with 2ml of dry toluene. The reaction mixture was allowed to stir for further 90 min. The solvent was removed under reduced pressure. Upon purification by column chromatography with alumina (basic, grade III), a pink band eluted with 2:3 dichloromethane/petroleum ether, which on solvent evaporation afforded **5** as a dark green solid [77 mg, 5%].

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