

## Chemoselective Synthesis of Novel Thiatriazolophanes

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1<sup>4</sup>,6<sup>4</sup>-Diethyl-7,12-dithia-1,6(3,5)-di-(1,2,4-triazola)cyclododecaphane, **5d**.

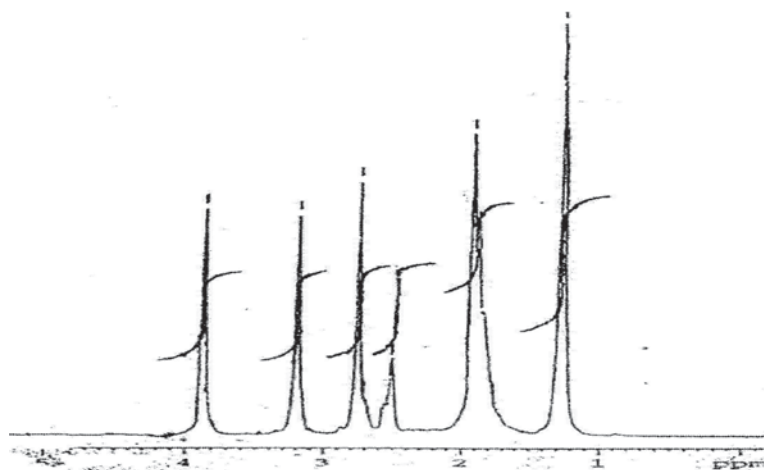
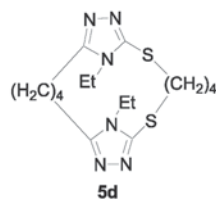


Figure S1. <sup>1</sup>H NMR for compound **5d**.

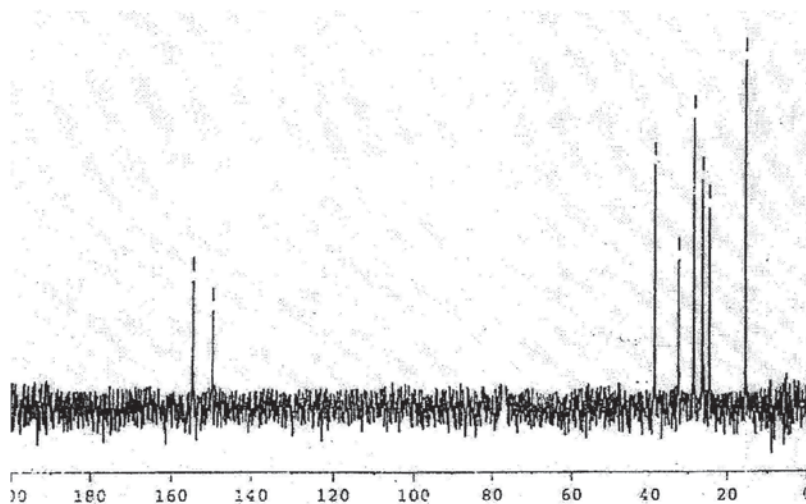
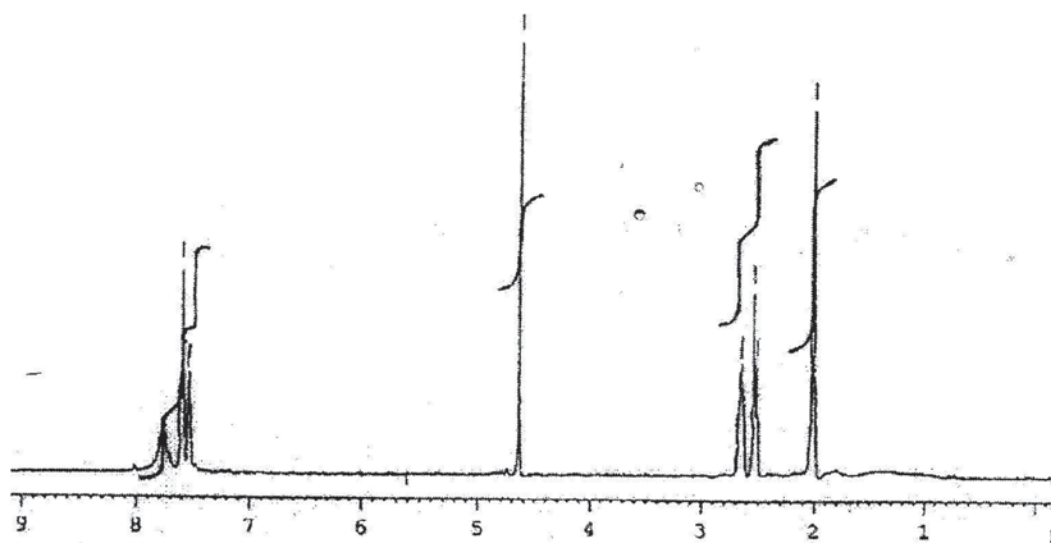
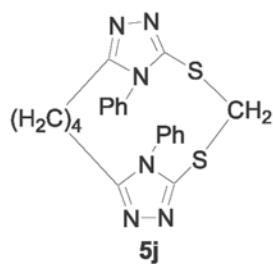
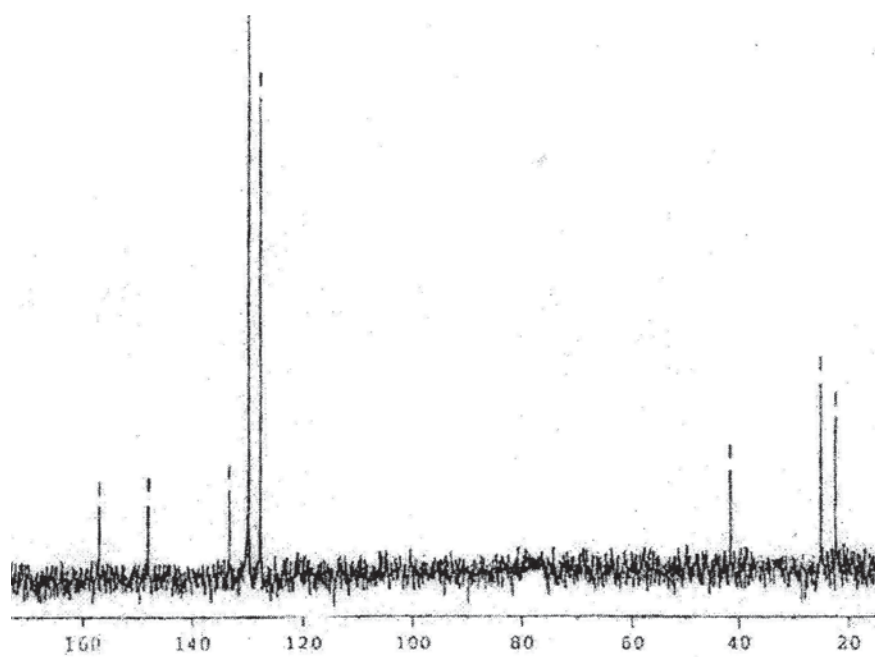


Figure S2. <sup>13</sup>C NMR for compound **5d**.

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**1<sup>4</sup>,6<sup>4</sup>-Diphenyl-7,9-dithia-1,6(3,5)-di-(1,2,4-triazola)cyclononaphane 5j.****Figure S3.** <sup>1</sup>H NMR for compound 5j.**Figure S4.** <sup>13</sup>C NMR for compound 5j.

1<sup>4</sup>,6<sup>4</sup>-Diallyl-9(1,2)-benzena-7,11-dithia-1,3(3,5)(5,3)-di-(1,2,4-triazola)cycloundecaphane **5m**.

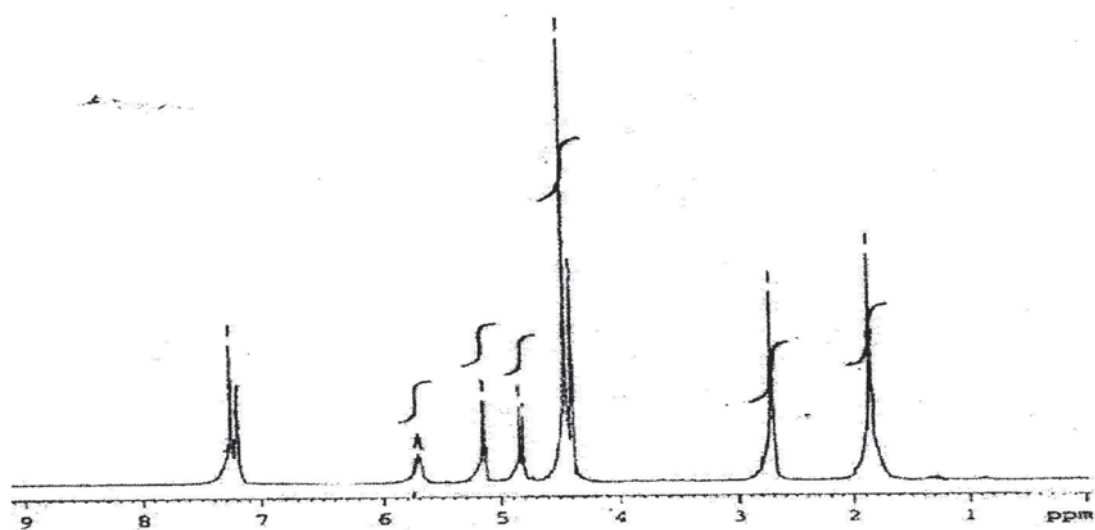
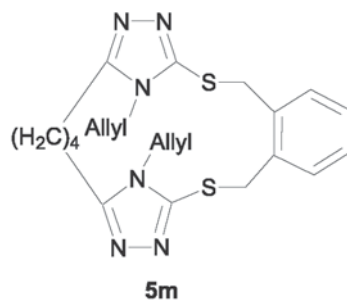


Figure S5. <sup>1</sup>H NMR for compound **5m**.

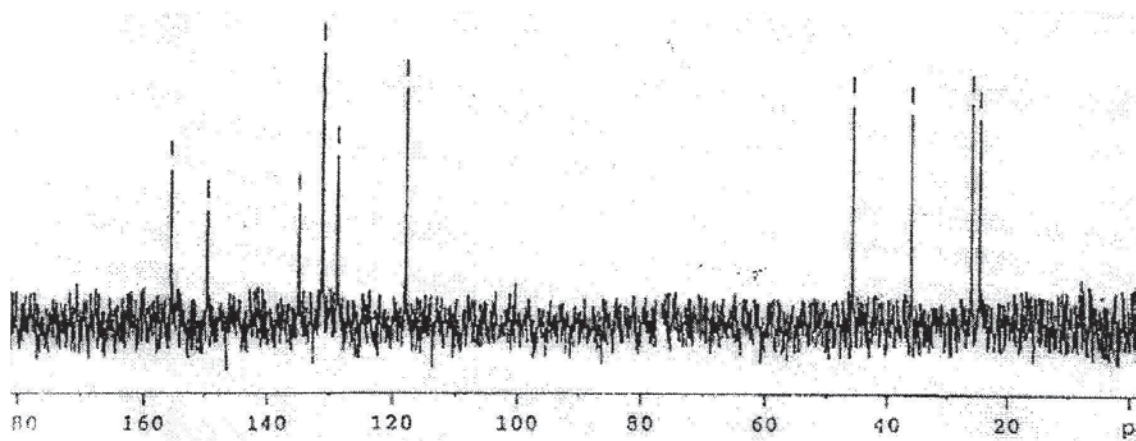


Figure S6. <sup>13</sup>C NMR for compound **5m**.

1<sup>4</sup>,3<sup>4</sup>-Diphenyl-2(1,3)6(1,2)-dibenzena-4,8-dithia-1,3(3,5)(5,3)-di-(1,2,4-triazola)cyclooctaphane **9i**.

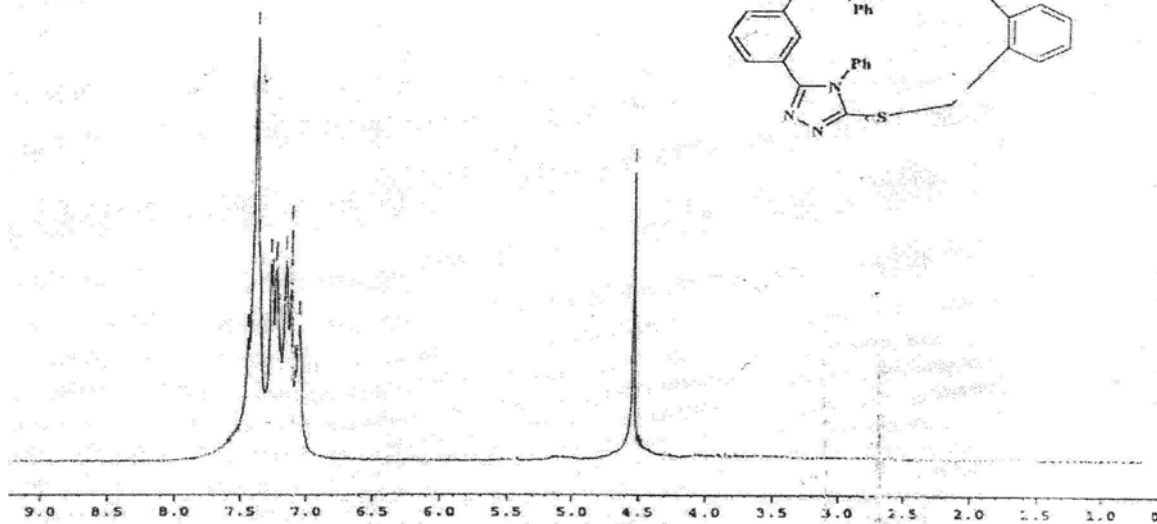
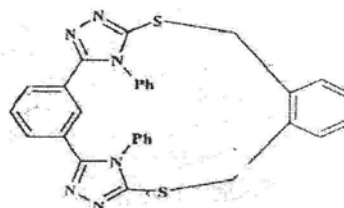
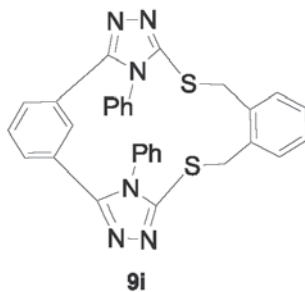


Figure S7. <sup>1</sup>H NMR for compound **9i**.

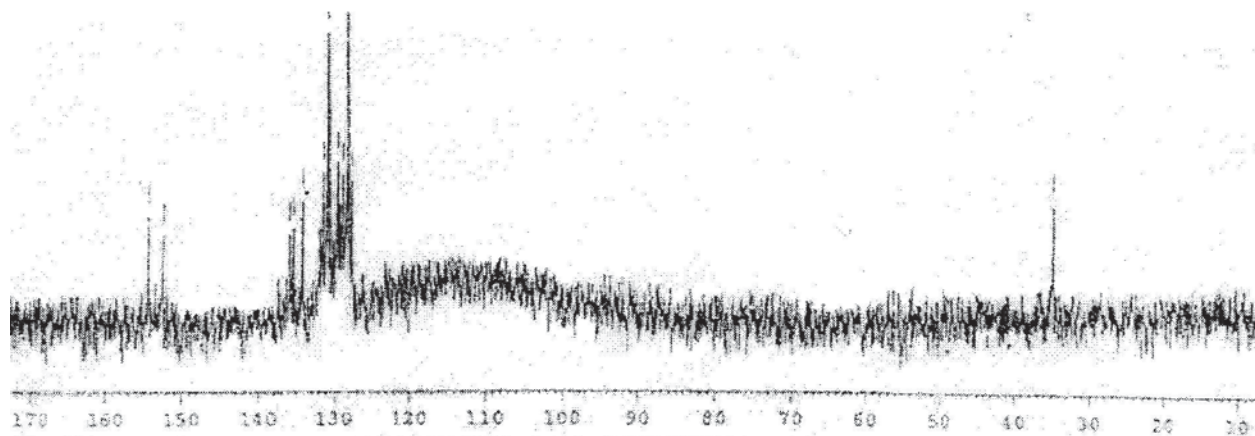


Figure S8. <sup>13</sup>C NMR for compound **9i**.

$^{14}\text{C}$ -Diethyl-3(1,3)-benzena-2,4-dioxa-6,10-dithia-1,5(3,5)(5,3)-di-(1,2,4-triazola)cyclodecaphane **12c**.

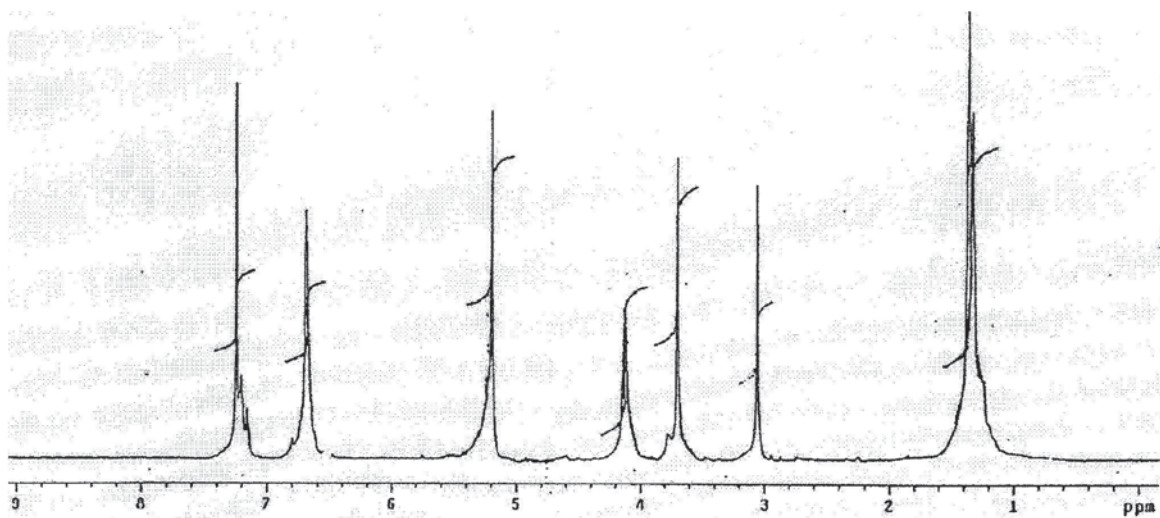
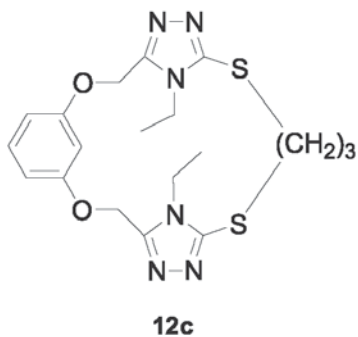


Figure S9. <sup>1</sup>H NMR for compound **12c**.

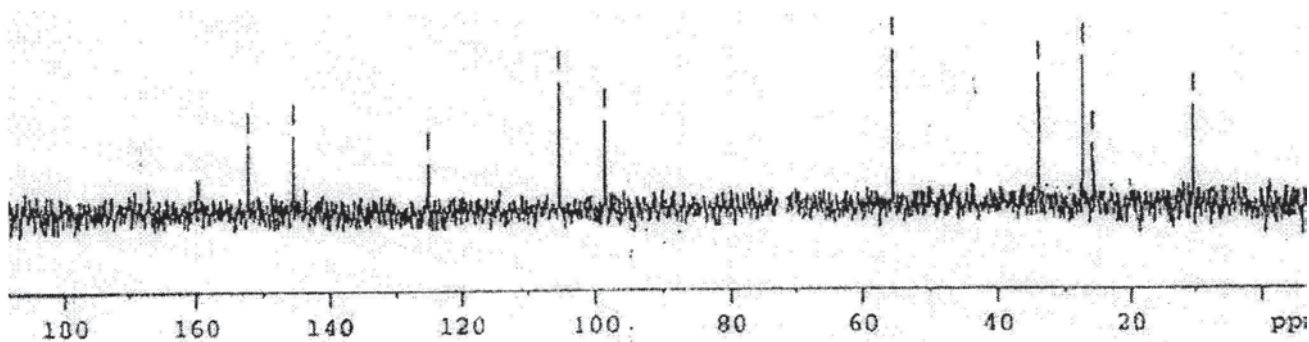


Figure S10. <sup>13</sup>C NMR for compound **12c**.

1<sup>4</sup>,9<sup>4</sup>-Dianilino-2,8(1,2)-dibenza-3,7-dioxa-10,14-dithia-1(3,5)9(5,3)-di-  
(1,2,4-triazola)cyclotetradecaphane **16a**.

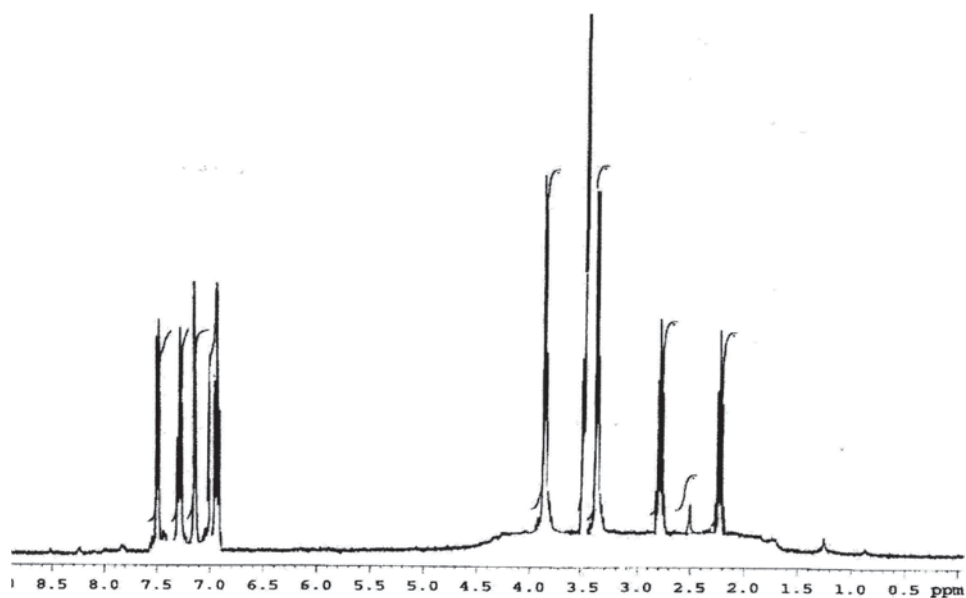
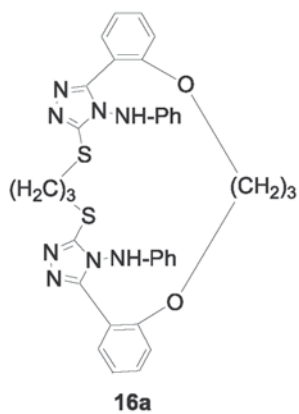


Figure S11. <sup>1</sup>H NMR for compound **16a**.

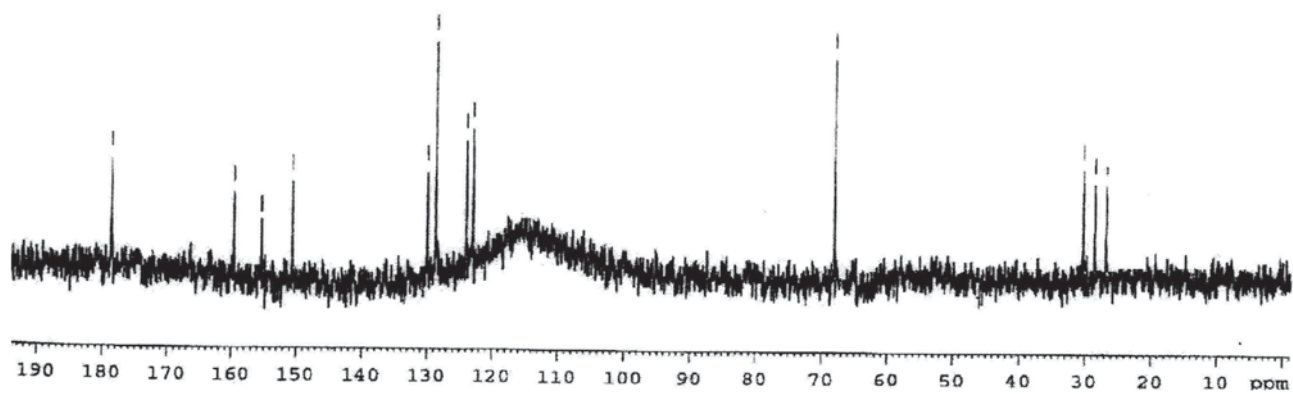


Figure S12. <sup>13</sup>C NMR for compound **16a**.