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Index Abstracts

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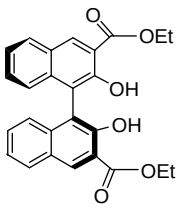
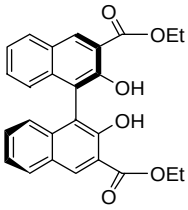
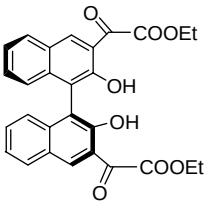
Index Abstracts



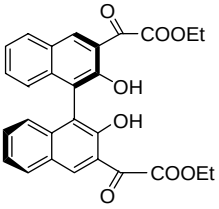
S-1



R-1



S-2

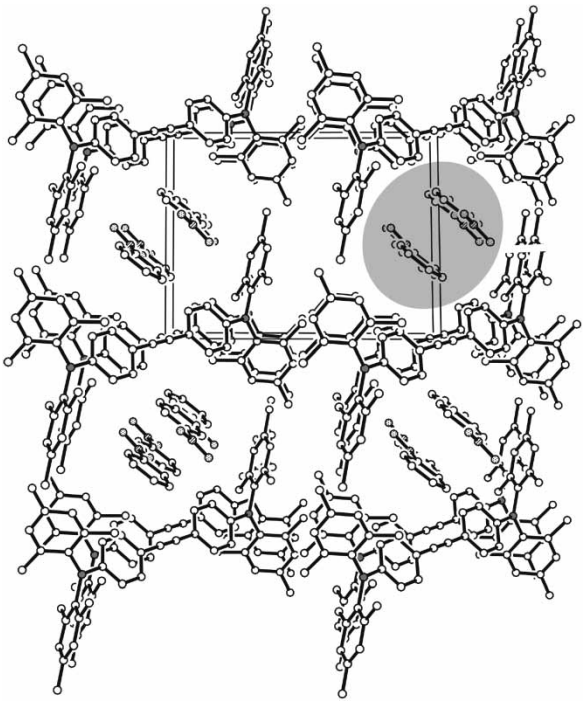


R-2

Four novel derivatives of BINOL have been prepared and the structures of these compounds characterised by IR, MS, ^{1}H and ^{13}C NMR spectroscopy and elemental analysis. The enantioselective recognition of these sensors has been studied by fluorescence titration and ^{1}H NMR spectroscopy. The sensors exhibited different chiral recognition abilities towards *N*-Boc-protected amino acid anions and formed 1:1 complexes between host and guest. Sensors exhibit excellent enantioselective fluorescent recognition ability towards the amino acid derivatives.

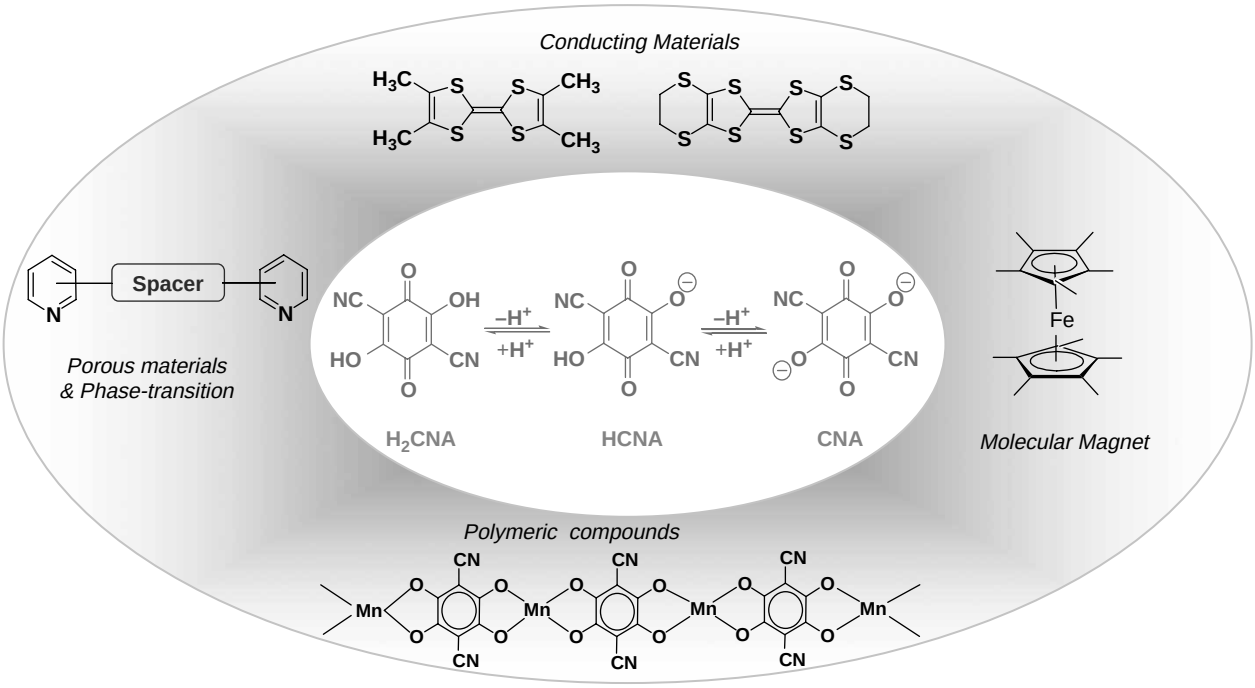
Kuo-Xi Xu, Li-Rong Yang, Yu-Xia Wang, Jin Zhao and Chao-Jie Wang

Synthesis and enantioselective fluorescent sensors for amino acid derivatives based on BINOL



Christian Förster, Wilhelm Seichter, Anke Schwarzer and Edwin Weber

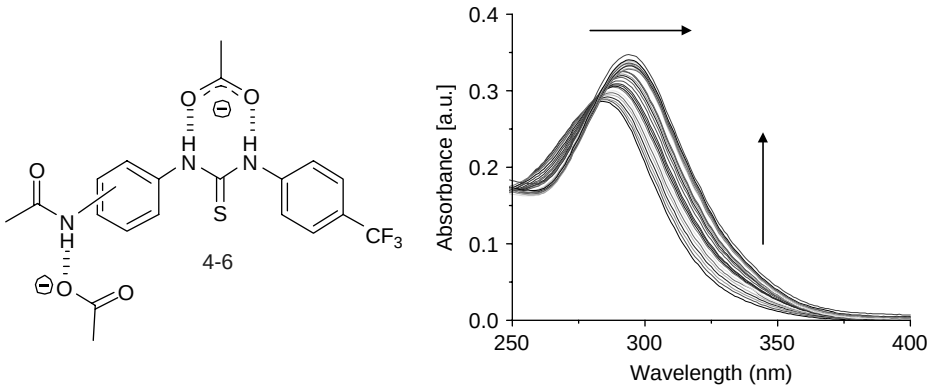
Supramolecular behaviour of bulky arylboranes
in the crystalline state



Md. Badruz Zaman and John A. Ripmeester

Centrosymmetric cyananilic acid: a molecule for functional solids

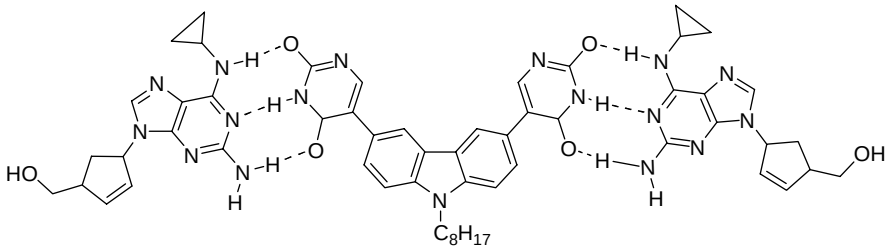
582–585



Elaine M. Boyle, Thomas McCabe and Thorfinnur Gunnlaugsson

Synthesis, photophysical and NMR evaluations of thiourea-based anion receptors possessing an acetamide moiety

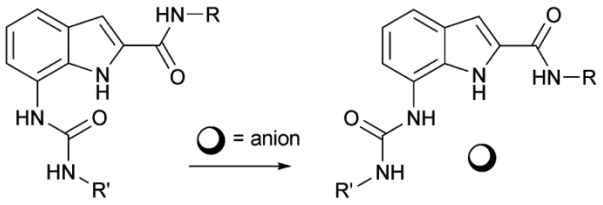
586–597



A new carbazole-based fluorosensor of antiretroviral drugs is presented and its ability to detect the target molecules by fluorescence spectroscopy is described. Depending on the analyte, the fluorosensor has limits of detection in the range from 200 to 1000 ng/mL.

Piotr J. Cywinski, Krzysztof R. Idzik, Charles G. Cranfield, Rainer Beckert and Gerhard J. Mohr

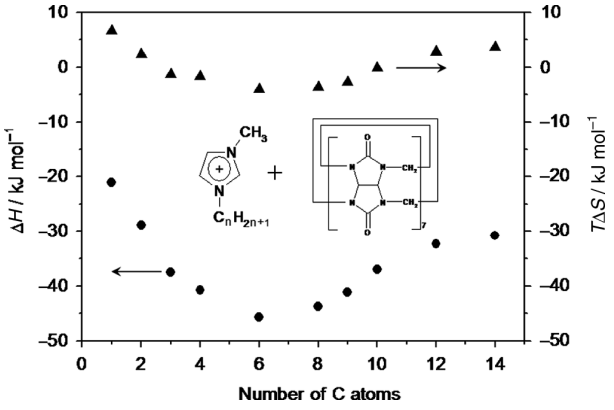
Synthesis and sensing properties of a new carbazole fluorosensor for detection of abacavir



A solution state NMR study on conformational properties of indole-based receptors augmented by quantum mechanical calculations revealed the shift from the preferred *anti-anti* to *syn-syn* conformation of the C2 and C7 substituents upon anion interactions

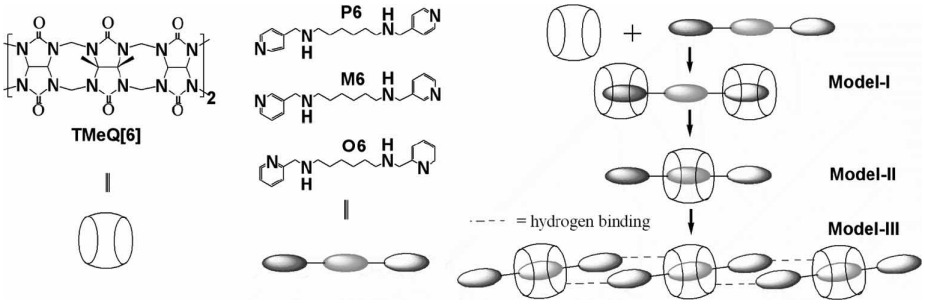
Damjan Makuc, Markus Albrecht and Janez Plavec

Conformational changes of functionalised indole receptors upon their interaction with anions



Véronique Wintgens, László Biczók and Zsombor Miskolczy

Thermodynamics of inclusion complex formation between 1-alkyl-3-methylimidazolium ionic liquids and cucurbit[7]uril

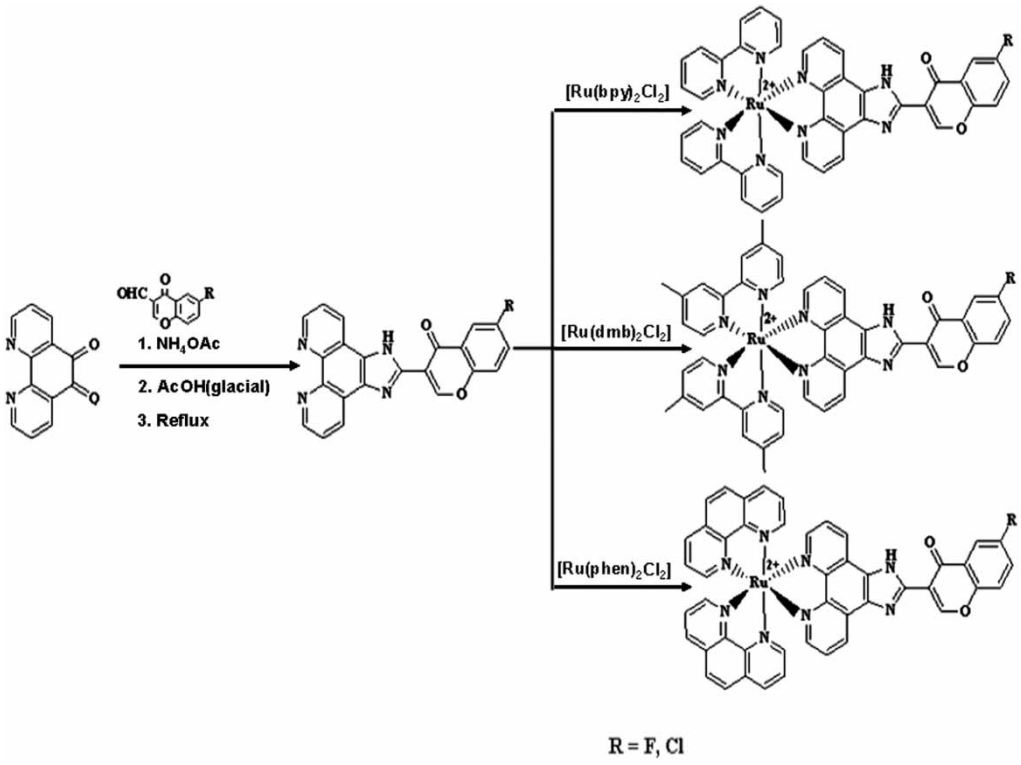


The host-guest interaction of symmetrical α,α′,δ,δ′-tetramethyl-cucurbit[6]uril (TMeQ[6]) with the hydrochloride salts of *N*,*N*′-bis(4-pyridylmethyl)-1,6-hexanediamine (**P6**), *N*,*N*′-bis(3-pyridyl-methyl)-1,6-hexanediamine (**M6**), and *N*,*N*′-bis(2-pyridylmethyl)-1,6-hexanediamine (**O6**) was investigated via single crystal X-ray diffraction, ^{1}H NMR spectroscopy, electronic absorption spectroscopy.

Li He, Jin-Ping Zeng, Da-Hai Yu, Hang Cong, Yun-Qian Zhang, Qian-Jiang Zhu, Sai-Feng Xue and Zhu Tao

Kinetic and thermodynamic inclusion complexes of symmetric teramethyl-substituted cucurbit[6]uril with HCl salts of *N,N*′-bis(pyridylmethyl)-1,6-hexanediamine

619–628



K. Ashwini Kumar, Kotha Laxma Reddy and S. Satyanarayana

Study of the interaction between ruthenium(II) complexes and CT-DNA: synthesis, characterisation, photocleavage and antimicrobial activity studies

629–643