

This article was downloaded by:

On: 29 January 2011

Access details: *Access Details: Free Access*

Publisher *Taylor & Francis*

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Supramolecular Chemistry

Publication details, including instructions for authors and subscription information:

<http://www.informaworld.com/smpp/title~content=t713649759>

Index Abstracts

To cite this Article (1996) 'Index Abstracts', *Supramolecular Chemistry*, 8: 1, 1 – 4

To link to this Article: DOI: 10.1080/10610279608233960

URL: <http://dx.doi.org/10.1080/10610279608233960>

PLEASE SCROLL DOWN FOR ARTICLE

Full terms and conditions of use: <http://www.informaworld.com/terms-and-conditions-of-access.pdf>

This article may be used for research, teaching and private study purposes. Any substantial or systematic reproduction, re-distribution, re-selling, loan or sub-licensing, systematic supply or distribution in any form to anyone is expressly forbidden.

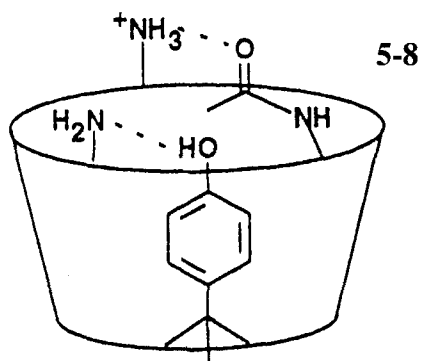
The publisher does not give any warranty express or implied or make any representation that the contents will be complete or accurate or up to date. The accuracy of any instructions, formulae and drug doses should be independently verified with primary sources. The publisher shall not be liable for any loss, actions, claims, proceedings, demand or costs or damages whatsoever or howsoever caused arising directly or indirectly in connection with or arising out of the use of this material.

Index Abstracts

The novel cyclodextrin, β -cycloaltramine, exhibits a 5.3×10^4 fold acceleration in transacylation of unactivated phenyl esters at physiological pH.

Michael D. Groaning and Valerian T. D'Souza

Accelerated Transacylation of Unactivated Phenyl Esters at Physiological pH with β -Cycloaltramine

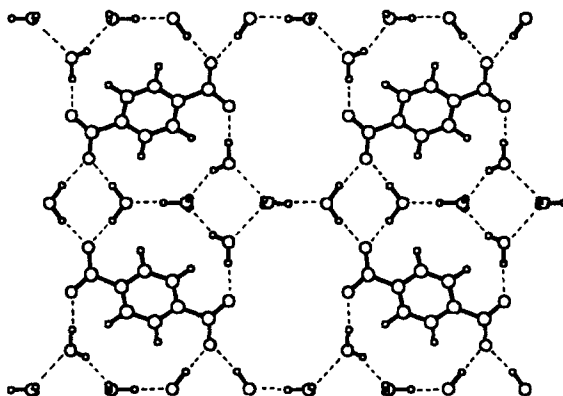


The crystal structure reveals a novel 2D clathrate hydrate anionic sheet that is sustained by a hexameric assembly of water molecules linking terephthalate anions through hydrogen bonds.

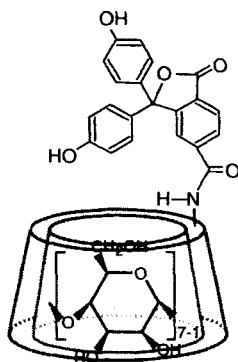
W. Scott Furey, C.V. Krishnamohan Sharma and Michael J. Zaworotko

A Two Dimensional Clathrate Hydrate: Tetraethylammonium Terephthalate $\cdot 6 \text{H}_2\text{O}$

9-11



A phenolphthalein-modified β -cyclodextrin was prepared as a guest-responsive color change indicator. The host changes its color from colorless to purple upon guest binding.



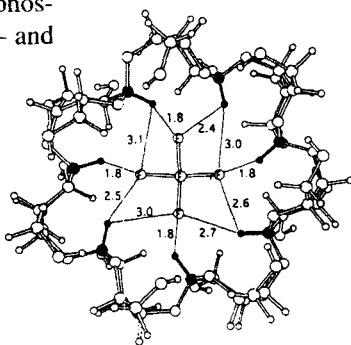
1

Tetsuo Kuwabara, Makoto Takamura, Akiko Matsushita, Akihiko Ueno and Fujio Toda

A Novel Color-changeable Host for Molecules. Guest-induced Colorless-to-color Change of Phenolphthalein-modified β -Cyclodextrin

13-15

The binding constants for hexafluorophosphate, perchlorate and triflate with α - and β -cyclodextrins were quantified.

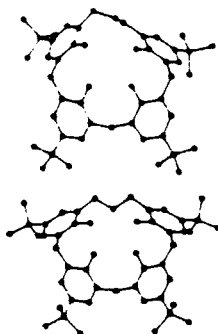


Luis A. Godínez, Brita G. Schulze-Fiehn, Sonal Patel, Cecil M. Criss, Jeffrey D. Evanseck and Angel E. Kaifer

Observation and Interpretation of Anomalous Inorganic Anion Binding with α - and β -Cyclodextrins in Aqueous Media

17-22

The conformation of the non-complexed *p*-*tert*-butyldihomo-oxa-calix[4]arene exhibits a very asymmetrical shape; it is compared with the ones obtained in complexes where the macrocycle has mostly a symmetry plane.

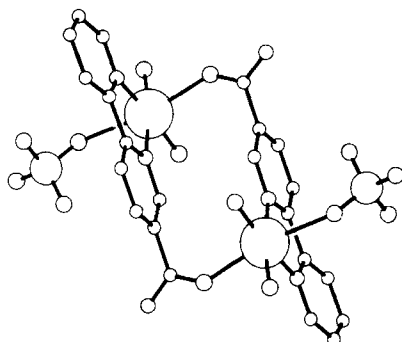


Monique Perrin, Claude Bavoux and Sylvain Lecocq

Change of Conformation Induced by Complexation in *p*-*tert*-butyldihomoox-calix[4]arene

23-29

The synthesis and characterization, including the crystal structure of bipyridine complexes.

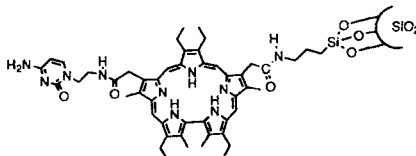


C.F. Martens, A. P. H. J. Schenning, M.C. Feiters, G. Beurskens, J.M.M. Smits, P.T. Beurskens, W. J. J. Smeets, A.L. Spek, and R.J.M. Nolte

Copper(II) Bipyridine and Crown Ether-Bipyridine Complexes: X-ray Structures, Characterization, and Properties as Histamine Receptors

31-44

A cytosine-substituted sapphyrin when used as a silica gel bound HPLC solid support effectively separates guanosine 5'-mono-, di-, and triphosphate from a mixture of the mono-, di- and triphosphates of cytidine, uridine, adenosine, and guanosine, respectively under isocratic conditions at pH 7. In addition, using this same solid support, cytidine 5'-monophosphate, guanosine 5'-monophosphate, adenosine 5'-monophosphate and uridine 5'-monophosphate are all readily separated from each other similar HPLC conditions.

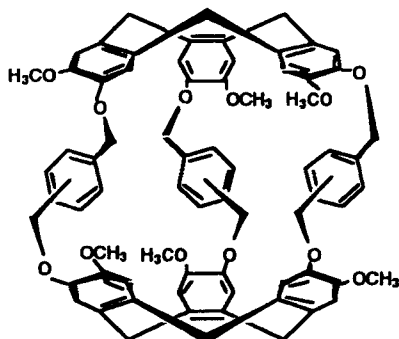


Jonathan L. Sessler, John W. Genge, Vladimir Král and Brent L. Iverson

Separation of Mon-, Di-, and Triphosphate Nucleotides by Cytosine Substituted, Silica-Bound Sapphyrin Solid Supports

45-52

The *o*-xylene and *p*-xylene bridged cryptophanes were successfully synthesized and their complexing abilities toward alkylammonium cations were investigated.



Masatsugu Miura, Shun Yuzawa, Mitsuhiro Takeda, Masakazu Takeda, Yoichi Habata, Tomoaki Tanase and Sadatoshi Akabori

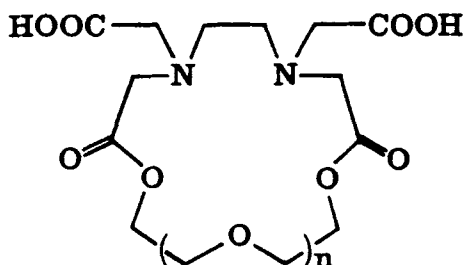
Syntheses of Aromatic Bridged Cryptophanes and their Complexing Abilities with Alkyl Ammonium Cations

53-66

The dissociation kinetics of Ce(III) and Gd(III) complexes of macrocyclic EDTA-bis(lactone) have been studied in an aqueous solution using Cu(II) ions as the scavenger.

Ki-Young Choi

Dissociation Kinetics of Macrocyclic EDTA-bis(lactone) Complexes of Cerium(III) and Gadolinium (III)



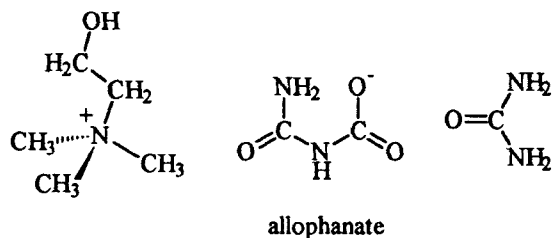
67-72

n	Macrocyclic
0	EDTA - EG
1	EDTA - DEG
2	EDTA - TEG

In the crystal structure of the new inclusion compound $(\text{CH}_3)_3\text{N}^+(\text{CH}_2)_2\text{OH} \cdot \text{NH}_2\text{CO N HCO}_2 \cdot (\text{NH}_2)_2\text{CO}$, a single column of choline ions is accommodated in each channel of the two-component host lattice, with O-H...O hydrogen bonds formed between the guest hydroxyl groups and host allophanate O atoms.

Qi Li and Thomas C.W. Mak

A Novel Inclusion Compound Consolidated by Host-host and Host-guest Hydrogen Bonding: (2-hydroxyethyl)trimethylammonium Ions Included in a Channel Host Lattice Built of Urea Molecules and Allophanate Ions



73-80