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Index Abstracts

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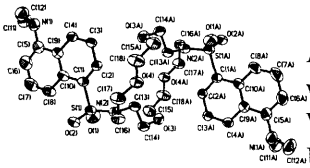
Index Abstracts

The title compound serves as a fluorescent probe but is a poor complexing and transport agent.



Eric S. Meadows, Stephen L. De Wall, Paul W. Salama, Ernesto Abel and George W. Gokel

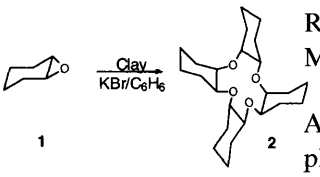
N,N-Didansyl-4,13-diaza-18-Crown-6: A Fluorescence-sensitive, Weakly Complexing Macrocycle Used to Probe the Phospholipid Vesicle Environment

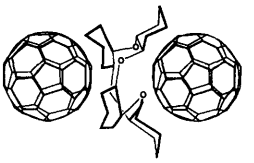
Seven novel organoselenium modified β-cyclodextrins (CDs) have been synthesized by a convenient method in satisfactory yields. Their inclusion complexation behavior with a series of selected *L*/*D*-aliphatic amino acids were investigated by the differential UV spectrometry in aqueous buffer solution (pH 7.20) at 25.0°C.

Yu Liu, Bin Li, Takehiko Wada and Yoshihisa Inoue

Enantioselective Recognition of Aliphatic Amino Acids by Organoselenium Modified β-Cyclodextrins

The synthesis and characterisation of a novel complex formed by crown ether **2** and 2 molecu- les of fullerene C_{60} is reported.





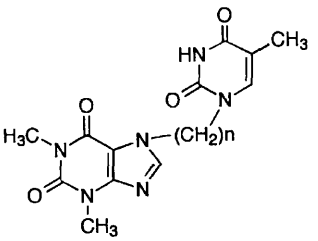
Francisco Lara, Raymundo Cruz, Marcos Martínez, Roberto Martínez, Bernardo Villaneda, Alberto Ramírez, Enrique Moreno, Ignacio Martínez, Enrique Angeles

A Novel Crown Ether. $2C_{60}$ Complex

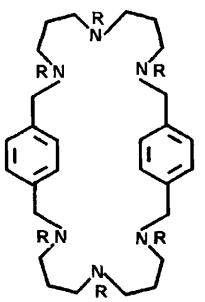
Stacking interations between thymine and 1,3-dimethylxanthine rings were studied. A stacked conformation between thymine and 1,3 dimethylxanthine rings in aqueous solutions was estimated.

Toshio Itahara

NMR Study of Stacking Interactions between Thymine and 1,3-Dimethylxanthine Rings



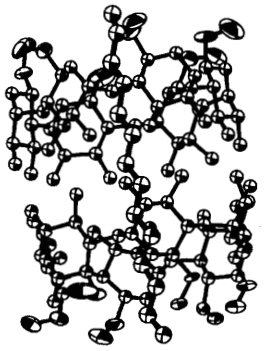
The formation of films from hexaazamacrocycles was studied.



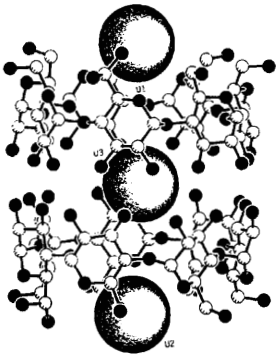
K. U. Słowińska, K. Słowiński, M. Pietraszkiewicz and R. Bilewicz

Hexaazamacrocyclic Ligands with Long Alkyl Chains as Functional Units in Monomolecular Langmuir–Blodgett Films

The threading of one 1,12-diaminododecane molecule through two molecules of α-cyclodextrin held together by H-bonds in a head-to-head fashion produces a [3]pseudorotaxane. The structure in the crystalline state is compared to other inclusion complexes where α-cyclodextrin forms dimers.



The 1:1 Inclusion complex of adamantanone with β-cyclodextrin shows the guest disordered in three regions.



Binding of acetylcholine to a cyclophane host. Influence of water and reliability of NMR measurements of small association constants