

Structures of the multireceptor vaulted cyclidene complexes.

Autorzy

N. W. Alcock

D. H. Busch

Piotr J. Chmielewski

B. K. Coltrain

T. J. Meade

Rok wydania

1996

Czasopismo

Inorganica Chimica Acta

Numer woluminu

246

Strony

109-118

DOI

10.1016/0020-
1693(96)05057-8

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

The preparations and structures of three vaulted cyclidene complexes are compared with the two previously reported. All show similar structures with large rigid cavities partly closed off by the piperidine risers, illustrating in particular the attractive effect of van der Waals forces resulting in the incorporation of solvent molecules or $[\text{PF}_6]^-$ ions nesting on the edges of the cavities. However, the detailed geometries vary, according to the nature of the ligand substituents, the metal, the counter-ion and the lattice solvent molecules. These give rise to differing orientations of the capping aromatic rings and the piperidine risers.

Słowa kluczowe

Crystal structure, Multireceptor complexes, Vaulted cyclidene complexes

Adres publiczny

[https://doi.org/10.1016/0020-1693\(96\)05057-8](https://doi.org/10.1016/0020-1693(96)05057-8)

Strona internetowa wydawcy

<http://www.elsevier.com>