

## Structure, properties and in vitro cytotoxic activity of hexakis(2-cyanoethyl)ditin(III).

### Autorzy

Florian P. Pruchnik

Małgorzata Bańbuła

Zbigniew Ciunik

Henryk Chojnacki

B. Skop

Małgorzata Latocha

T. Wilczok

### Rok wydania

2002

### Czasopismo

Journal of Inorganic

Biochemistry

### Numer woluminu

90

### Strony

149-154

### DOI

10.1016/S0162-  
0134(02)00424-5

### Kolekcja

Naukowa

### Język

Angielski

### Typ publikacji

Artykuł

### Streszczenie

The structure of the tin(III) complex  $[\text{Sn}_2(\text{CH}_2\text{CH}_2\text{CN})_6]$  has been determined. There are two independent molecules in the crystal, both adopt distorted eclipsed conformation. The molecular and electronic structures of this compound have been studied both at the semiempirical level and with the use of non-empirical ab initio methods. The calculated Sn–Sn distances agree well with those found crystallographically. The results of calculations showed that the eclipsed conformation of complex is more stable as compared with staggered conformation. The compound show modest cytotoxic activity against A549 and HSMC cells.

### Słowa kluczowe

Organotin compounds, Organoditin(III) complex, Cytotoxic activity

### Adres publiczny

[https://doi.org/10.1016/S0162-0134\(02\)00424-5](https://doi.org/10.1016/S0162-0134(02)00424-5)

### Strona internetowa wydawcy

<http://www.elsevier.com>

Plik został wygenerowany dnia 2026-04-24 23:27:54

Adres w repozytorium <https://old.chem.uni.wroc.pl/pl/repozytorium/d17anL>.