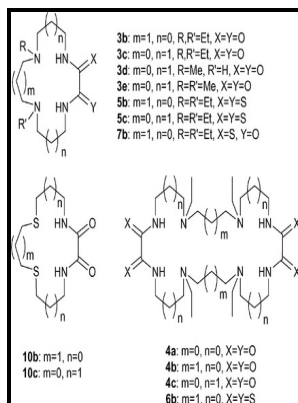


# Synthesis and complexation of mixed nitrogen - oxygen donor macrocycles.

## - - Synthesis and complexation of the mixed tellurium



Description: -

-Synthesis and complexation of mixed nitrogen - oxygen donor macrocycles.

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Notes: Thesis (Ph.D.) - University of Sheffield, Dept. of Chemistry, 1988.

This edition was published in 1988



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Tags: #Synthesis, #characterization #and #extraction #properties #of #calix[4]crown #with #amine #units #and #study #of #its #complexes #with #Cu(II)

## Synthesis of Quinoxaline Macrocycles

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## Synthesis of Quinoxaline Macrocycles

FT-IR, UV—Vis, elemental analysis, molar conductivity and cyclic voltammetry techniques were used for study and characterization of these complexes. With chain lengths of more than 9 carbon atoms the log K<sub>ass</sub> values started to decrease.

## Efficient synthesis of new 17

This affected the responses for sensors that were used. Miranda, Teresa Pardo, Felix Sancenón, Juan Soto. Experimental complexation studies with different carboxylates were carried out in two different solvent systems to select three champions for constructing anion sensor prototypes.

## An effective self

In these electrodes, poly 3,4-ethylenedioxythiophene doped with chloride PEDOT-Cl was used as the solid contact ion-to-electron transducer. If you are the author of this article you do not need to formally request permission to reproduce figures, diagrams etc. This again may be explained by their sensitivity to chloride, but the MC005 sensors exhibited a slightly stronger response than the controls did to the increase of acetate activity in the beginning of each measurement.

## Synthesis and structural characterization of cobalt(II), nickel(II) and copper(II) complexes of 18

EIS measurements were used primarily to ensure that the solid contact had a sufficiently large redox capacitance and to compare the influence of the ionophore upon the spectra, if any could be observed. Initially, the trend suggested a steady increase of the binding affinity with increasing ring size. Metal-Organic Frameworks and Their Composites: Synthesis and Electrochemical Applications.

## **BJOC**

Thus, an additional binding site was available for lactate. The Interaction of Cu II and Ni II with Oxygen-Nitrogen Mixed Donor Macrocycles Containing Crown Ether Moieties. *Angewandte Chemie* 2006, 118 47 , 8048-8061.

### **Synthesis, characterization and extraction properties of calix[4]crown with amine units and study of its complexes with Cu(II)**

The host molecule cannot include any functional groups that would allow the analyte to become protonated. The pH sensitivity of the sensors was assessed by measuring their potentiometric responses in acetic acid.

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