

Imidazo[1,5]carbachtlorin as a hybrid ligand

Autorzy

Kinga Szydełko

Sebastian Koniarz

Michał J. Białek

Piotr J. Chmielewski

Rok wydania

2025

Czasopismo

Dalton Transactions

Numer woluminu

54

Strony

16461-16474

DOI

10.1039/d4dt03034f

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

A family of novel complexes of imidazo[1,5]carbachtlorin has been synthesized and characterized by spectroscopic, X-ray diffraction, and electrochemical methods. In most of these compounds, both macrocyclic crevice and the fused external imidazole are involved in the coordination of the metal ion, thus defining imidazocarbachtlorin as a hybrid ligand system consisting of NNNC- and N-donor sets. The effect of the external coordination on the shape of the macrocyclic ring has been studied and discussed.

Adres publiczny

<http://dx.doi.org/10.1039/D4DT03034F>

Strona internetowa wydawcy

<https://www.rsc.org/>