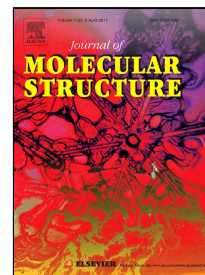


Accepted Manuscript

New palladium(II) formamidine complexes: preparation, characterization, theoretical calculations and cytotoxic activity

Ahmed A. Soliman, Amany. M. Sayed, Othman I. Alajrawy, Wolfgang Linert



PII: S0022-2860(17)30221-1
DOI: 10.1016/j.molstruc.2017.02.062
Reference: MOLSTR 23456
To appear in: *Journal of Molecular Structure*

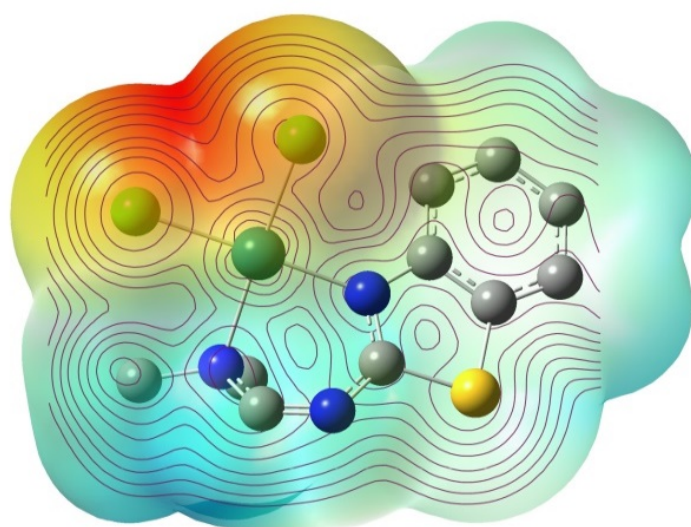
Received Date: 05 January 2017
Revised Date: 14 February 2017
Accepted Date: 15 February 2017

Please cite this article as: Ahmed A. Soliman, Amany. M. Sayed, Othman I. Alajrawy, Wolfgang Linert, New palladium(II) formamidine complexes: preparation, characterization, theoretical calculations and cytotoxic activity, *Journal of Molecular Structure* (2017), doi: 10.1016/j.molstruc.2017.02.062

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Graphical Abstract

Binary Pd(II) formamidine complexes formulated as $[\text{Pd}(\text{L}_{1-4})\text{Cl}_2]$ where L=formamidine ligands, were synthesized and characterized. The complexes are diamagnetic and the electronic spectral data showed the peaks due to square planar Pd(II) complexes. The structures are geometrically optimized and the energy parameters are calculated. The complexes have noticeable cytotoxicity.



Complex (1)

Molecular electronic potential (MEP) of complex (1) (isocontour value=0.02). Hydrogen atoms are omitted for simplicity.

Download English Version:

<https://daneshyari.com/en/article/5160406>

Download Persian Version:

<https://daneshyari.com/article/5160406>

[Daneshyari.com](https://daneshyari.com)