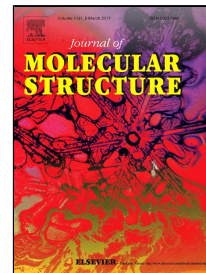


# Accepted Manuscript

Synthesis, structure, spectroscopic properties and DFT studies on some 7-hydroxy-4-methyl-8-(aryloxo)-2H-1-benzopyran-2-one and their complexes with some divalent transition metal ions



Samir A. Abdel-Latif, Adel A. Mohamed

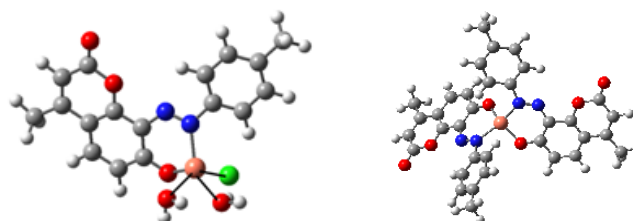
PII: S0022-2860(16)31387-4  
DOI: 10.1016/j.molstruc.2016.12.068  
Reference: MOLSTR 23266  
To appear in: *Journal of Molecular Structure*  
Received Date: 24 May 2016  
Revised Date: 15 December 2016  
Accepted Date: 23 December 2016

Please cite this article as: Samir A. Abdel-Latif, Adel A. Mohamed, Synthesis, structure, spectroscopic properties and DFT studies on some 7-hydroxy-4-methyl-8-(aryloxo)-2H-1-benzopyran-2-one and their complexes with some divalent transition metal ions, *Journal of Molecular Structure* (2016), doi: 10.1016/j.molstruc.2016.12.068

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

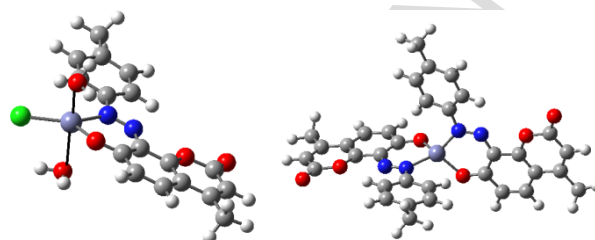
A series of new azo coumarin complexes were prepared and characterized by different analytical tools. The spectroscopic data indicated that the coumarin ligands act as monoanionic bidentate O and N donors.



1:1

1:2

Copper complexes



1:1

1:2

Zinc complexes

Download English Version:

<https://daneshyari.com/en/article/5160711>

Download Persian Version:

<https://daneshyari.com/article/5160711>

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