

Accepted Manuscript

Synthesis, characterization, DFT calculations and antimicrobial studies of cadmium(II) sulfate complexes of thioureas and 2-mercaptopyridine; X-ray structures of polymeric diaqua(*N,N'*-dimethylthiourea) sulfatocadmium(II) and bis(2-mercaptopyridine)sulfatocadmium(II)

Saeed Ahmad, Muhammad Saleem, Ivelina Georgieva, Tobias Ruffer, Dieter Schaarschmidt, Heinrich Lang, Ghulam Murtaza, Irshad Hussain, Habib-ur-Rehman, Anvarhusein A. Isab, Muhammad Riaz Malik, Saqib Ali

PII: S0277-5387(18)30212-2
DOI: <https://doi.org/10.1016/j.poly.2018.04.035>
Reference: POLY 13137

To appear in: *Polyhedron*

Received Date: 16 February 2018
Accepted Date: 20 April 2018

Please cite this article as: S. Ahmad, M. Saleem, I. Georgieva, T. Ruffer, D. Schaarschmidt, H. Lang, G. Murtaza, I. Hussain, Habib-ur-Rehman, A.A. Isab, M.R. Malik, S. Ali, Synthesis, characterization, DFT calculations and antimicrobial studies of cadmium(II) sulfate complexes of thioureas and 2-mercaptopyridine; X-ray structures of polymeric diaqua(*N,N'*-dimethylthiourea) sulfatocadmium(II) and bis(2-mercaptopyridine)sulfatocadmium(II), *Polyhedron* (2018), doi: <https://doi.org/10.1016/j.poly.2018.04.035>

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.



Synthesis, characterization, DFT calculations and antimicrobial studies of cadmium(II) sulfate complexes of thioureas and 2-mercaptopyridine; X-ray structures of polymeric diaqua(*N,N'*-dimethylthiourea) sulfatocadmium(II) and bis(2-mercaptopyridine)sulfatocadmium(II)

Saeed Ahmad^{a*}, Muhammad Saleem^b, Ivelina Georgieva^c, Tobias Ruffer^d, Dieter Schaarschmidt^d, Heinrich Lang^d, Ghulam Murtaza^e, Irshad Hussain^f, Habib-ur-Rehman^f, Anvarhusein A. Isab^g, Muhammad Riaz Malik^h, Saqib Ali^h

^aDepartment of Chemistry, College of Sciences and Humanities, Prince Sattam bin Abdulaziz University, Al-Kharj 11942, Saudi Arabia

^bDepartment of Civil Engineering, Jubail University College, P. O. Box 10074, Jubail Industrial City 31961, Saudi Arabia

^cInstitute of General and Inorganic Chemistry, Bulgarian Academy of Sciences, 11 Acad. G. Bonchev Str., 1113 Sofia, Bulgaria

^dTechnische Universität Chemnitz, Institut für Chemie, Lehrstuhl für Anorganische Chemie, Straße der Nationen 62, 09111 Chemnitz, Germany

^eDepartment of Chemistry, University of Engineering and Technology, Lahore 54890, Pakistan

^fSBA School of Science and Engineering, Lahore University of Management Sciences, Lahore 54792, Pakistan

^gDepartment of Chemistry, King Fahd University of Petroleum and Minerals, Dhahran 31261, Saudi Arabia

^hDepartment of Chemistry, Quaid-i-Azam University, Islamabad, Pakistan

*Corresponding author (E.mail: saeed_a786@hotmail.com)

Download English Version:

<https://daneshyari.com/en/article/7762694>

Download Persian Version:

<https://daneshyari.com/article/7762694>

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