



The Open Bioactive Compounds Journal

Supplementary Material

Content list available at: www.benthamopen.com/TOBCJ/

DOI: 10.2174/1874847301806010001



Preparation, Characterization and Antimicrobial Activity of Schiff Base of (*E*) - *N* - (4-(Thiophen-2-ylmethyleneamino) Phenylsulfonyl) Acetamide Metal Complexes

Ahmad S. Abu-Khadra^{1,*}, Ahmed S. Afify², Amr Mohamed^{3,4}, Rabie S. Farag⁵ and Hassan Y. Aboul-Enein^{6,*}

¹Department of Basic Science, Faculty of Engineering Science, Sinai University, North Sinai, Egypt

²Department of Applied Science and Technology, Politecnico di Torino, Corso Duca degli Abruzzi 24, 10129Torino, Italy

³Department of Chemistry, Faculty of Science, Taibah University, 41411-Al-Madinah, Saudi Arabia

⁴The Higher Institute of Optics Technology (HIOT), Heliopolis, 17361-Cairo, Egypt

⁵Department of Chemistry, Faculty of Science, Al-Azhar University, Cairo, Egypt

⁶Pharmaceutical and Medicinal Chemistry Department, Pharmaceutical and Drug Industries Research Division, National Research Centre, Cairo12622, Egypt

Received: December 07, 2017

Revised: January 27, 2018

Accepted: January 29, 2018

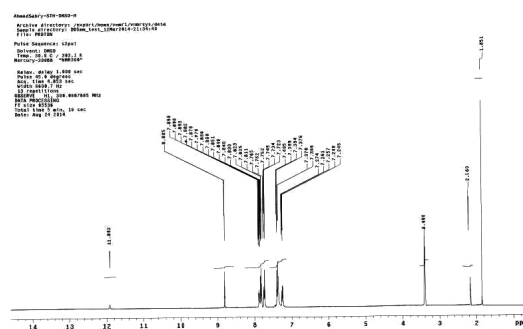


Fig (1). ¹H NMR of STH.

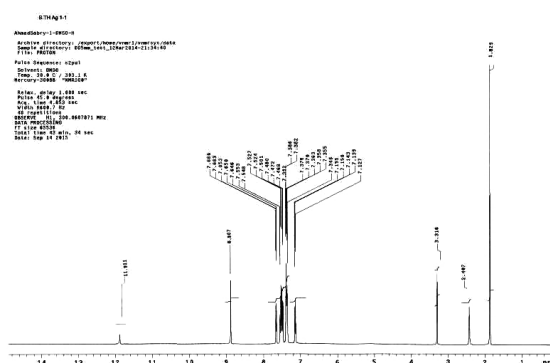


Fig (2). ¹H NMR of STH-Ag 1:1.

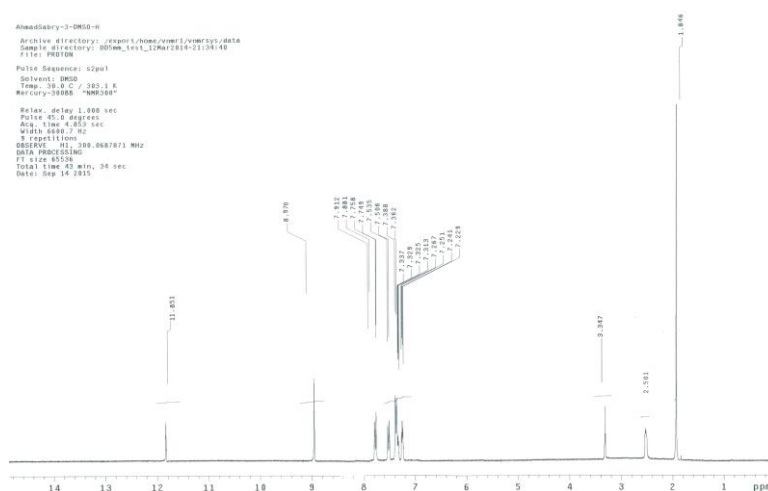


Fig (3). HNMR of STH-Zn 2:1.

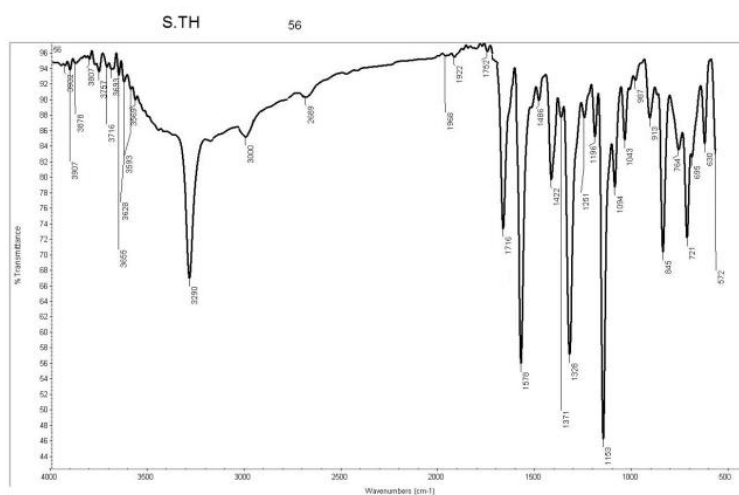


Fig (4). IR spectrum of STH.

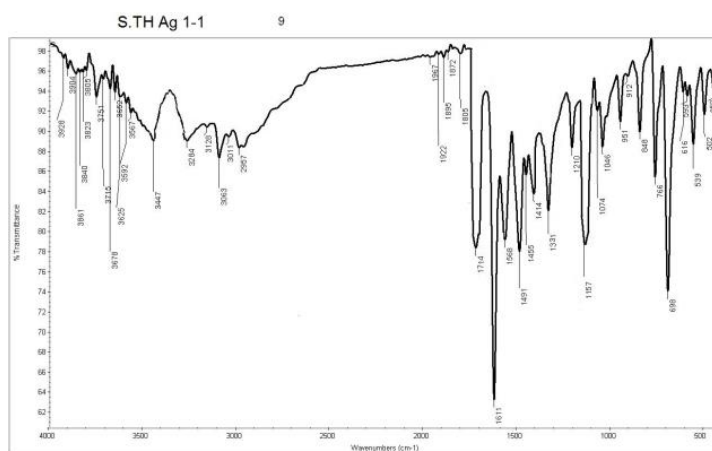


Fig (5). IR spectrum of STH-Ag 1:1.

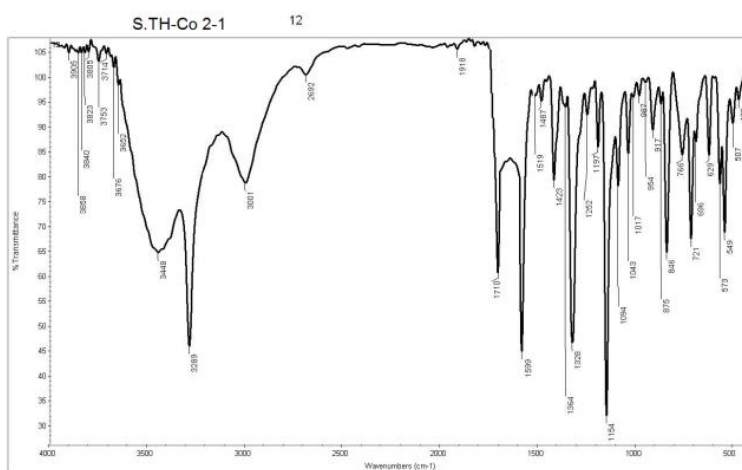


Fig (6). IR spectrum of STH-Co 2:1.

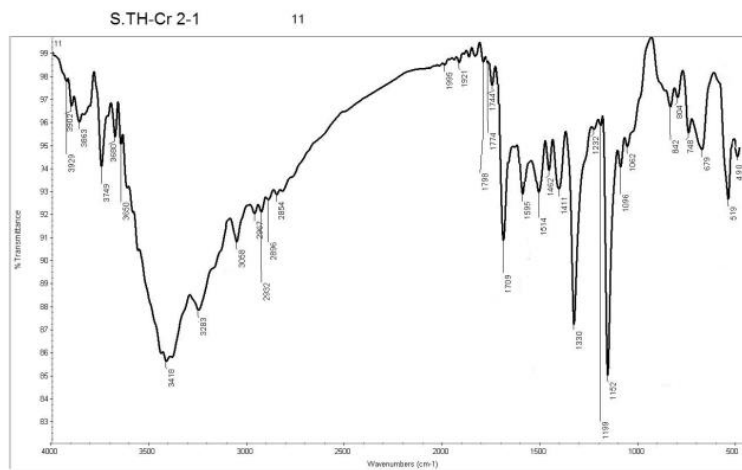


Fig (7). IR spectrum of STH-Cr 2:1.

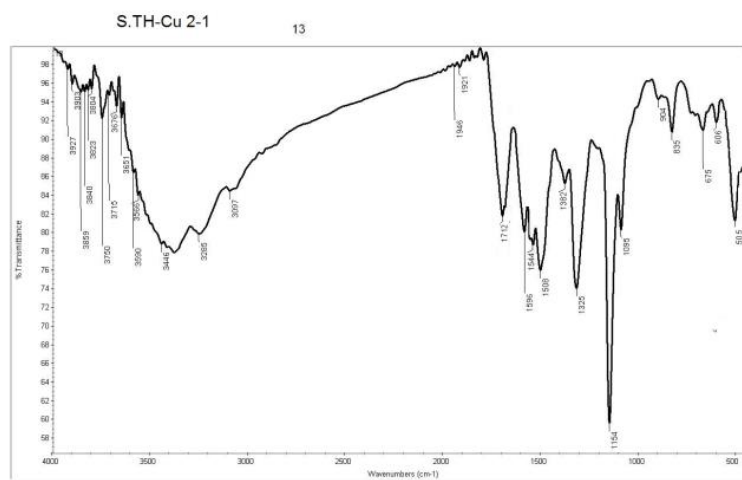


Fig (8). IR spectrum of STH-Cu 2:1.

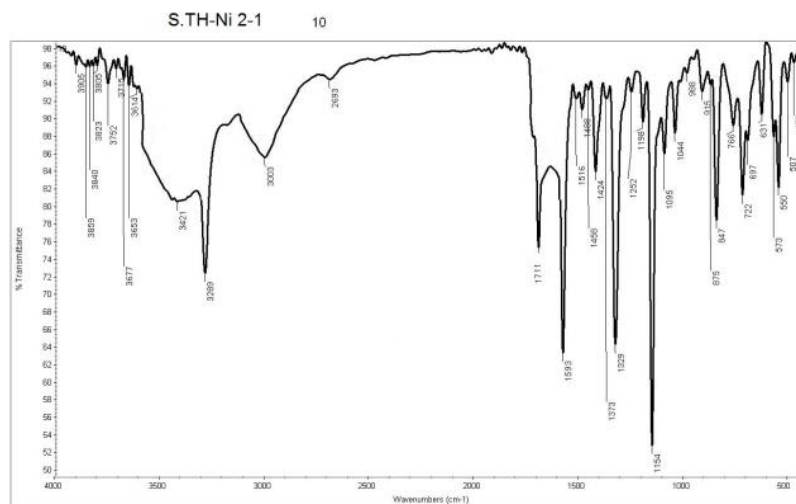


Fig (9). IR spectrum of STH-Ni 2:1.

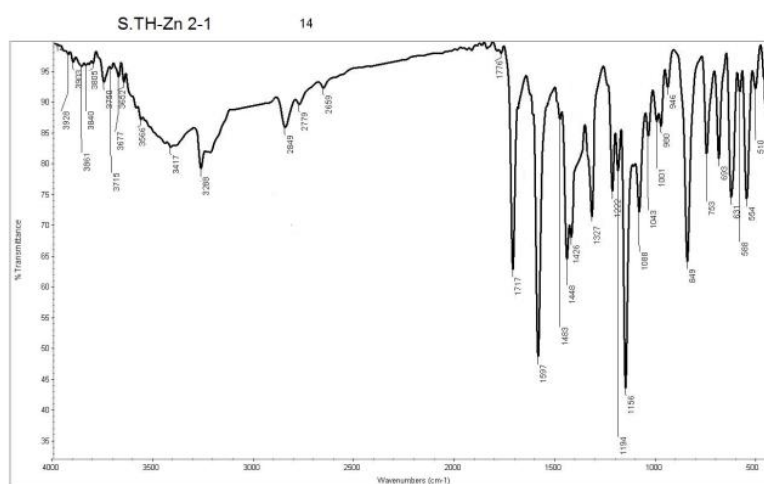


Fig (10). IR spectrum of STH-Zn 2:1.

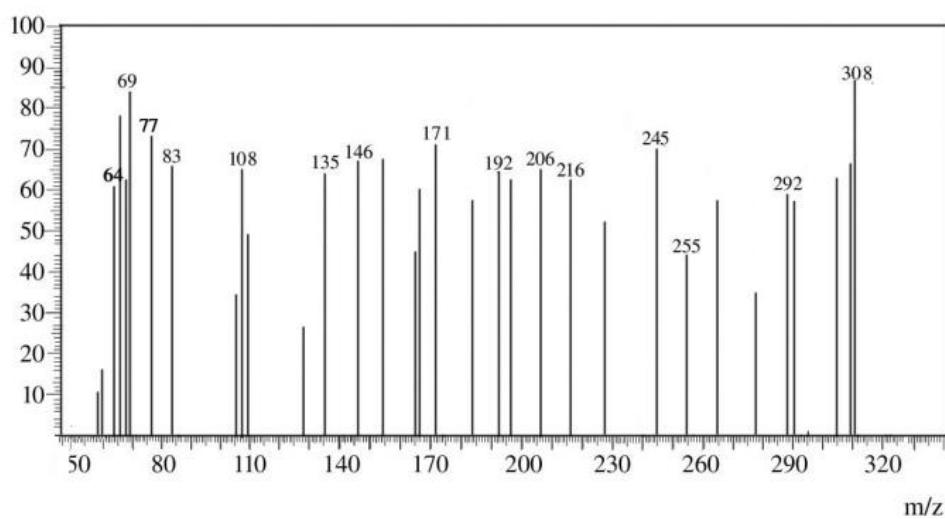


Fig (11). Mass spectrum of STH.

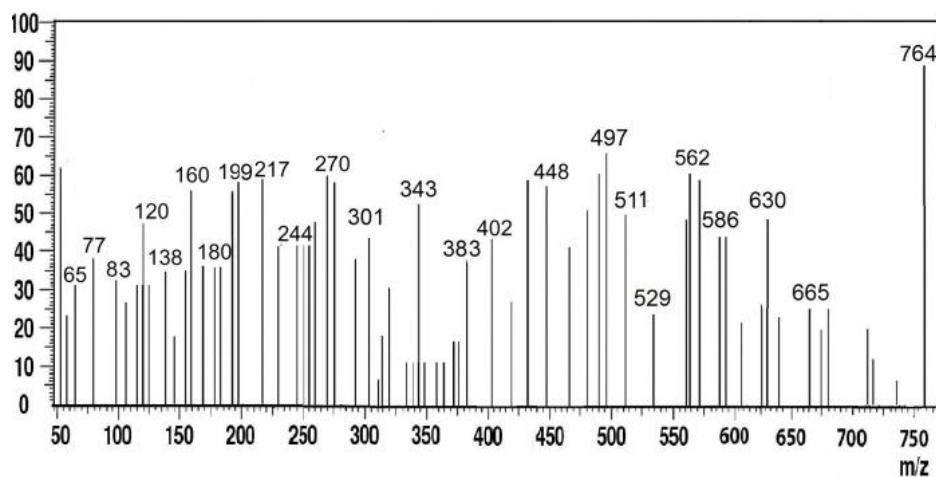


Fig (12). Mass spectrum of STH-Co.

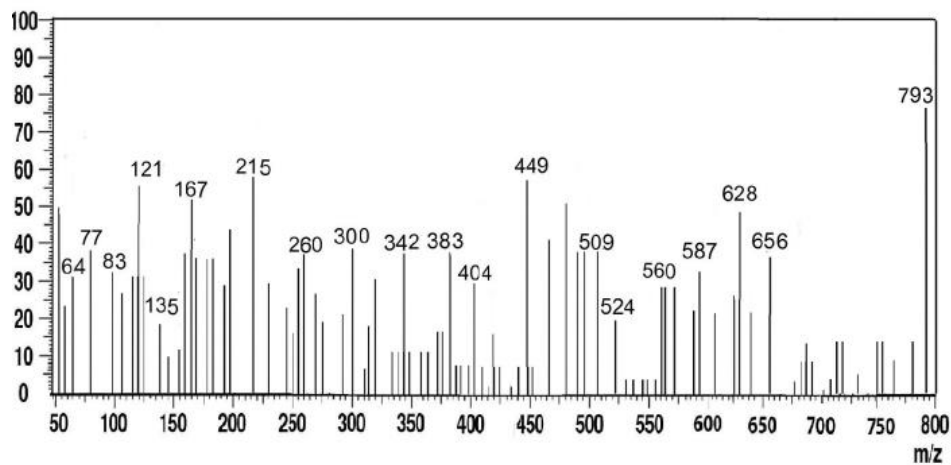


Fig (13). Mass spectrum of STH-Cr.

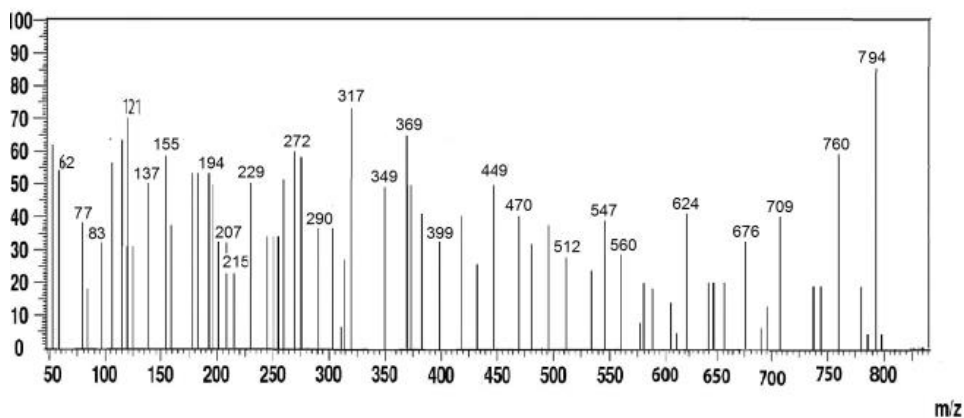


Fig (14). Mass spectrum of STH-Cu.

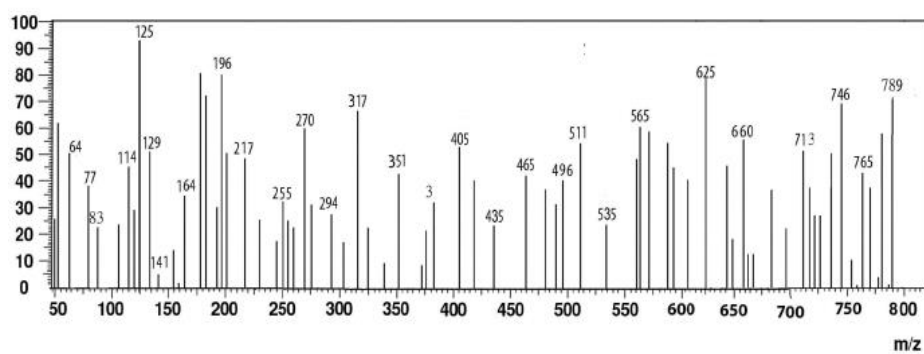


Fig (15). Mass spectrum of STH-Ni.

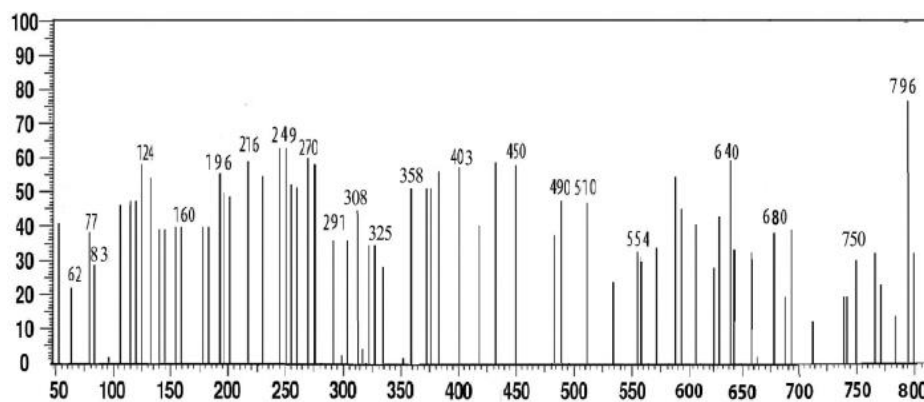


Fig (16). Mass spectrum of STH-Zn.

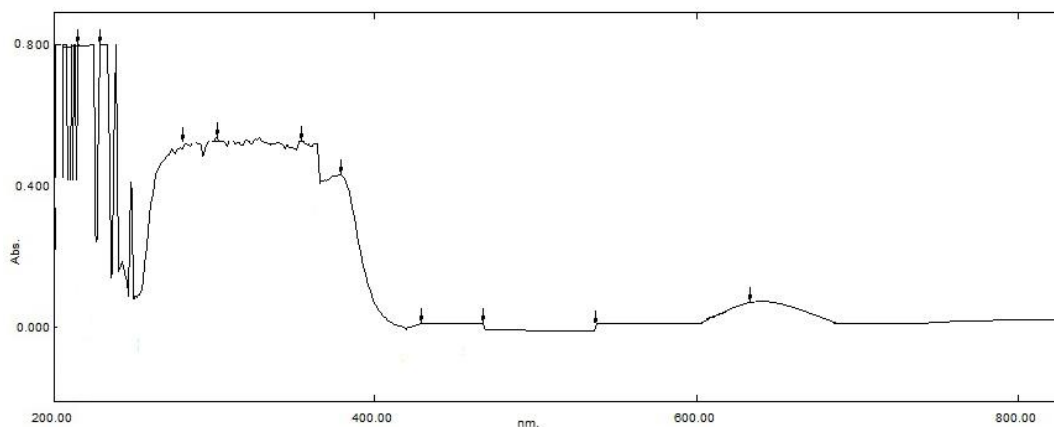


Fig (17). uv spectrum of STH-Co.

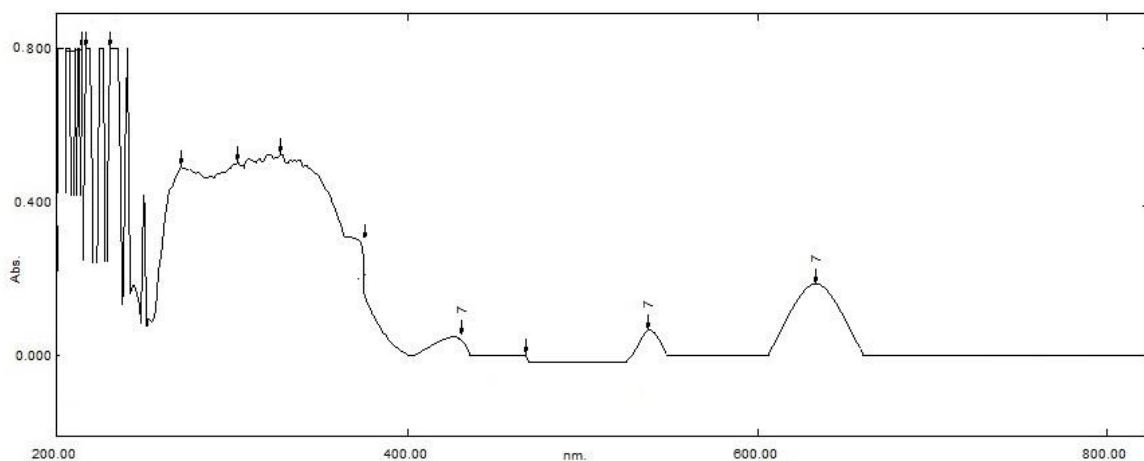


Fig (18). uv spectrum of STH-Cr.

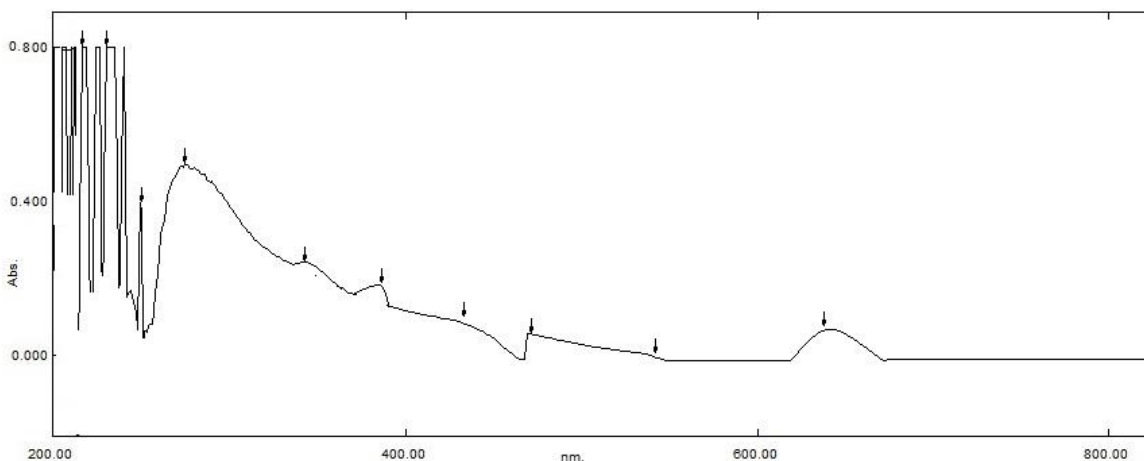


Fig (19). uv spectrum of STH-Cu.

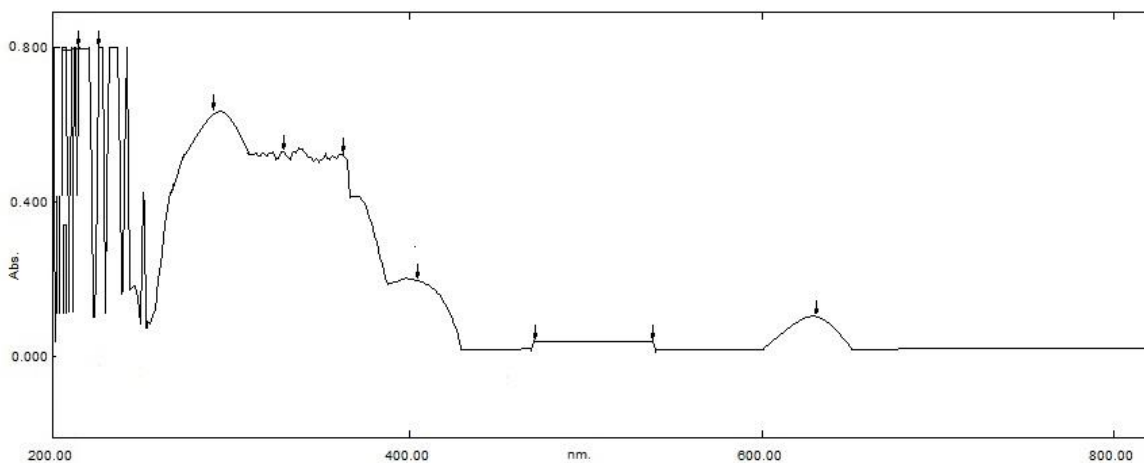


Fig (20). uv spectrum of STH-Ni.

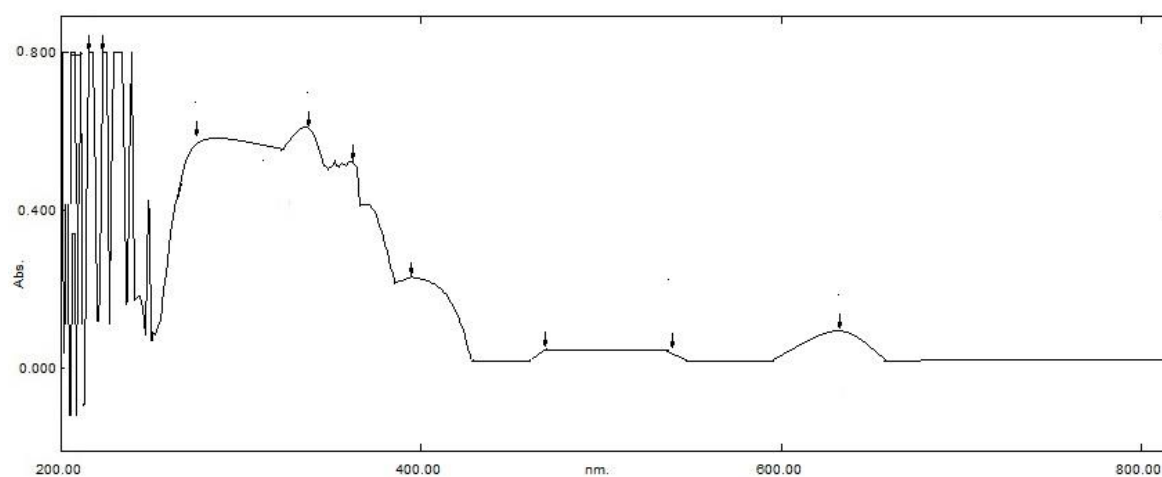


Fig (21). uv spectrum of STH-Zn.

© 2018 Abu-Khadra *et al.*

This is an open access article distributed under the terms of the Creative Commons Attribution 4.0 International Public License (CC-BY 4.0), a copy of which is available at: (<https://creativecommons.org/licenses/by/4.0/legalcode>). This license permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.