

Accepted Manuscript

Exploring the mode of binding between food additive “butylated hydroxytoluene (BHT)” and human serum albumin: Spectroscopic as well as molecular docking study



Nasser Abdulatif Al-Shabib, Javed Masood Khan, Mohd Sajid Ali, Hamad A. Al-Lohedan, Mohd Shahnawaz Khan, Abdulrahman M. Al-Senaigy, Fohad Mabood Husain, Monis Bilal Shamsi

PII: S0167-7322(16)32983-X
DOI: doi: [10.1016/j.molliq.2017.01.066](https://doi.org/10.1016/j.molliq.2017.01.066)
Reference: MOLLIQ 6868
To appear in: *Journal of Molecular Liquids*
Received date: 2 October 2016
Revised date: 17 January 2017
Accepted date: 18 January 2017

Please cite this article as: Nasser Abdulatif Al-Shabib, Javed Masood Khan, Mohd Sajid Ali, Hamad A. Al-Lohedan, Mohd Shahnawaz Khan, Abdulrahman M. Al-Senaigy, Fohad Mabood Husain, Monis Bilal Shamsi , Exploring the mode of binding between food additive “butylated hydroxytoluene (BHT)” and human serum albumin: Spectroscopic as well as molecular docking study. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Molliq(2017), doi: [10.1016/j.molliq.2017.01.066](https://doi.org/10.1016/j.molliq.2017.01.066)

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.

Exploring the mode of binding between food additive “butylated hydroxytoluene (BHT)” and human serum albumin: spectroscopic as well as molecular docking study

Nasser Abdulatif Al-Shabib^{1*}, Javed Masood Khan¹, Mohd Sajid Ali², Hamad A. Al-Lohedan², Mohd Shahnawaz Khan³, Abdulrahman M. Al-Senaidy³, Fohad Mabood Husain¹ and Monis Bilal Shamsi⁴

1. Department of Food Science and Nutrition, Faculty of Food and Agricultural Sciences, King Saud University, 2460 Riyadh 11451, Saudi Arabia. E-mail: nalshabib@ksu.edu.sa.
2. Surfactant Research Chair, Department of Chemistry, King Saud University, PO Box-2455, Riyadh 11451, Saudi Arabia
3. Protein Research Chair, Department of Biochemistry, College of Science, King Saud University, Riyadh, Saudi Arabia.
4. Center for Genetics and Inherited Diseases, Taibah University, Madinah, Saudi Arabia.

Keywords: Butylated Hydroxytoluene, Food Additive, Human Serum Albumin, Binding and Interaction

*** For correspondence:**

Dr. Nasser Abdulatif Al-Shabib
Department of Food Sciences,
College of Food and Agricultural Sciences,
King Saud University Riyadh, KSA
Email nalshabib@ksu.edu.sa and rshabib4@yahoo.com
Tel: +966-0114678794

Download English Version:

<https://daneshyari.com/en/article/5408897>

Download Persian Version:

<https://daneshyari.com/article/5408897>

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