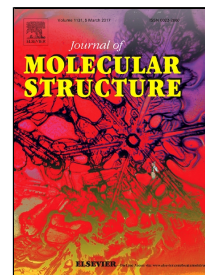


# Accepted Manuscript

Synthesis, antimalarial evaluation and molecular docking studies of some thiolactone derivatives

Jitendra Sainy, Rajesh Sharma



PII: S0022-2860(16)31414-4  
DOI: 10.1016/j.molstruc.2016.12.095  
Reference: MOLSTR 23293  
To appear in: *Journal of Molecular Structure*  
Received Date: 26 May 2016  
Revised Date: 19 December 2016  
Accepted Date: 28 December 2016

Please cite this article as: Jitendra Sainy, Rajesh Sharma, Synthesis, antimalarial evaluation and molecular docking studies of some thiolactone derivatives, *Journal of Molecular Structure* (2016), doi: 10.1016/j.molstruc.2016.12.095

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.

**Highlights**

- A new series of thiolactone derivatives have been synthesized.
- The structures of the synthesized compounds have been investigated by FT-IR, <sup>1</sup>H-NMR, <sup>13</sup>C NMR, mass spectral data and elemental analysis.
- The synthesized compounds were evaluated *in vitro* for their antimalarial activity.
- The binding mode of the synthesized compounds in the active site of *pf*KASI/II have been evaluated through molecular docking study.

Download English Version:

<https://daneshyari.com/en/article/5160715>

Download Persian Version:

<https://daneshyari.com/article/5160715>

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