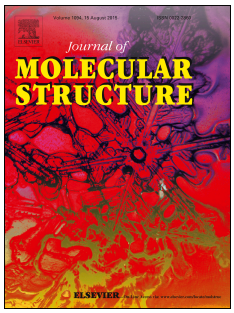
Accepted Manuscript



In vitro DNA binding studies of lenalidomide using spectroscopic in combination with molecular docking techniques

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PII: S0022-2860(17)31360-1

DOI: 10.1016/j.molstruc.2017.10.029

Reference: MOLSTR 24400

To appear in: *Journal of Molecular Structure*

Received Date: 14 August 2017

Revised Date: 5 October 2017

Accepted Date: 9 October 2017

Please cite this article as: L. Xu, Y.-X. Hu, Y.-C. Li, L. Zhang, H.-X. Ai, Y.-F. Liu, H.-S. Liu, *In vitro* DNA binding studies of lenalidomide using spectroscopic in combination with molecular docking techniques, *Journal of Molecular Structure* (2017), doi: 10.1016/j.molstruc.2017.10.029.

Graphical abstract

In this work, the binding interaction between the drug lenalidomide (LEN) and calf thymus DNA (ct-DNA) was studied by using fluorescence spectroscopy, ultraviolet-visible (UV-vis), circular dichroism (CD) under imitated physiological pH value (pH = 7.4) coupled with molecular docking.