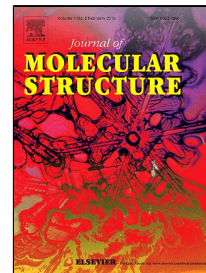


Accepted Manuscript

Oxovanadium(IV), cerium(III), thorium(IV) and dioxouranium(VI) complexes of 1-ethyl-4-hydroxy-3-(nitroacetyl)quinolin-2(1H)-one: Synthesis, spectral, thermal, fluorescence, DFT calculations, antimicrobial and antitumor studies



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PII: S0022-2860(17)31569-7
DOI: 10.1016/j.molstruc.2017.11.081
Reference: MOLSTR 24568
To appear in: *Journal of Molecular Structure*
Received Date: 07 August 2017
Revised Date: 18 November 2017
Accepted Date: 20 November 2017

Please cite this article as: H.F. El-Shafiy, Magdy Shebl, Oxovanadium(IV), cerium(III), thorium(IV) and dioxouranium(VI) complexes of 1-ethyl-4-hydroxy-3-(nitroacetyl)quinolin-2(1H)-one: Synthesis, spectral, thermal, fluorescence, DFT calculations, antimicrobial and antitumor studies, *Journal of Molecular Structure* (2017), doi: 10.1016/j.molstruc.2017.11.081

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- A new series of oxovanadium(IV), cerium(III), thorium(IV) and dioxouranium(VI) complexes have been synthesized.
- The metal complexes were characterized by different techniques.
- The PL properties of the prepared complexes were studied.
- DFT calculations were carried out for the ligand and its oxovanadium(IV) complex.
- The antimicrobial and antitumor activities of the ligand and its metal complexes were examined

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