Dear Dr. Matjaž Kristl,

Thank you.

The manuscript has been revised with the suggestions.

I am looking forward to your response.

Sincerely yours,

Dr. Peng

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Reviewer A:

1. ABSTRACT:

4-bromo-N'-(1-(pyridin-2-yl)ethylidene)benzohydrazide probably is not a new compound, since the coordination compounds with that ligand are already published (by authors of the same group?): Synthesis, Characterization, Crystal Structures, and Biological Activity of Nickel(II), Manganese(II) and Cadmium(II) Complexes Derived from 4-Bromo-N'-(1-(Pyridin-2-YL)ethylidene)benzohydrazide, H. Zhao, X. P. Tan, Q. A. Peng, C. Z. Shi, Y. F. Zhao & Y. M. Cui, Russian Journal of Coordination Chemistry volume 47, pages 58–65 (2021)Cite this article.

Response: The crystal structure of the compound 4-bromo-N'-(1-(pyridin-2-yl)ethylidene)benzohydrazide is reported for the first time. The article of our research group is cited.

2. So, the text of the abstract should be corrected considering that fact and it should be written in a better English.

Response: Since the crystal structure of the ligand is reported for the first time, the abstract is not corrected.

INTRODUCTION:

3. The introduction needs to be expanded: about where and why urease inhibition is important (inhibition of Helicobacter pylori infection,….)

Response: The introduction is expanded.

4. 40 Z.-L. You instead of You

Response: corrected

5. 42-44 Since 4-bromo-N'-(1-(pyridin-2-yl)ethylidene)benzohydrazide is not a new compound the text should be corrected considering that fact.

Response: The crystal structure of the Schiff base is reported for the first time.

2.1. MATERIALS AND METHODS

6. 53: a dash switch by a minus (symbol) in: 4000-400 cm-1

Response: corrected

2.3. SYNTHESIS OF HL

7. 67: In UV data molar concentration in methanol should be listed

Response: corrected

2.3. SYNTHESIS OF THE COMPLEX

8. 80: In UV data molar concentration in methanol should be listed

Response: corrected

3.2. STRUCTURE DESCRIPTION OF HL

112-114: The authors wrote: The molecule adopts E configuration at the methylidene unit. The methylidene bond with distance of 1.289(7) Å, confirms a typical double bond.

9. As it can be evident from the title, abstract and introduction the ligand

includes ethylidene unit.

Response: corrected as ethylidene unit.

10. for better understanding the atoms of the bond should be listed

bond (C6–N2) with distance of 1.289(7), confirms a typical double bond.

Response: corrected

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Reviewer D:

The introduction can be improved, and some new and related references should

add to give more information about urease inhibition.

Response: The introduction is improved.

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