**Submission-Revision letter**

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Prof. Dejan Miloš Opsenica

Sub-Editor

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Dear, Prof. Dejan Miloš Opsenica

We would like to thank you for the letter dated 12/05/2018, and the opportunity to resubmit a revised copy of this manuscript.

We would also like to take this opportunity to express our thanks to the reviewers for the positive feedback and helpful comments for correction or modification.

We believe the additional amendments have resulted in an improved revised manuscript, which you will find uploaded alongside this document. The manuscript has been revised according to your comments, which are appended alongside our responses to this letter.

# We very much hope the revised manuscript is accepted for publication in Journal of the Serbian Chemical Society.

Thank you for your consideration!

Yours sincerely,

Dr. Regina Vidziunaite

"Response to Reviewers"

To the Editor:

We corrected the manuscript according to the reviewer’s comments and provide the comments on the changes made in the text, corrected figures according artwork instructions and corrected in exactitude in the supplement.

We indicated the page numbers and lines with the proposed corrections. Corrections are made in:

**1. Page 2, lines 49-51**

„The indepth research of spectral properties of novel 1,5-benzodiazepine oxime derivatives is important for further determination of their chemical reactivity and kinetic parameters of conversion“ is changed to „The research of the spectral properties of novel 1,5-benzodiazepine oxime derivatives is necessary for the further determination of parameters of their chemical and enzymatic reactivity.”

**2. Page 4, lines 100-103**

„The novel 1,3,4,5-tetrahydro-2*H*-1,5-benzodiazepine oximes **1**–**3** were obtained by refluxing mixture of appropriate tiolactam **1a**–**3a**, hydroxylamine hydrochloride and sodium acetate in anhydrous ethanol (Scheme 1). The structure of **1**–**3** compounds was proved by the methods of 1H, 13C NMR, IR and elemental analysis“ is changed to „The synthesis pathway of 1,3,4,5-tetrahydro-2*H*-1,5-benzodiazepine oximes is represented in Scheme 1. The structure of **1**–**3** compounds was proved by the methods of 1H, 13C NMR, IR and elemental analysis (Supplement).”

# 3. Fig. 1. (page 5) and Fig. 2. (page 8) are changed according to the requirements of the “Journal of the Serbian Chemical Society“.

**4. Page 11, lines 232-233**: „fluorescence quantum yield value, according to the following equation:

Φ*f* = Φ*st* (F*f* / F*st*)(η2f / η2st)”

is changed to „fluorescence quantum yield value, according to the following equation (1):

Φ*f* = Φ*st* (F*f* / F*st*)(η2f / η2st) (1)”

**5. Page 11, line 246:** „ spectra was investigated in various solvents” changed to „spectra was investigated in 5 solvents.”

**6. Supplement: line 13** - „7.70 (s, 1H, NH or OH), 9.39 (s, 1H, NH or OH) ppm.“ changed to „7.70 (s, 1H, NH ), 9.39 (s, 1H, OH) ppm.“,

**line 21** - „7.80 (s, 1H, NH or OH), 9.32 (s, 1H, NH or OH) ppm.“ changed to „7.80 (s, 1H, NH ), 9.32 (s, 1H, OH) ppm.“,

**line 29** - „7.61 (s, 1H, NH or OH), 9.51 (s, 1H, NH or OH) ppm.“ changed to „7.61 (s, 1H, NH ), 9.51 (s, 1H, OH) ppm.“.

**5. Reviewer 1** Comment 1. In the results and discussion part, spectral band positions and its shifts are only listed, the actual discussion in terms of potential intermolecular interactions of investigated compounds is actually very narrow. Although the invetigation was done in only 5 solvents, which is actually low for more serious conclusions, in order to improve presented study, i suggest authors to to determine the correlations between the band positions (band shifts) and the empirical ie theoretical parameters. For example: (The Gutman’s acceptor od donor number AN,DN); Kamlet–Taft solvatochromic relationship (single or multilenear), (The Kirkwood-Bauer-Magat (KBM) equation)... On the basis of the obtained coefficients it is possible to determine an electron, ie a proton donor acceptor properties for studied molecules and thus give a better insight solvent effect (interactions) of investigated molecules.

We would like to thank the reviewer for the feedback and helpful comments for correction or modification. Theoretical calculations that you suggested, we are interested in. We agree that in the results and discussion part, spectral band positions and its shifts are only listed, the actual discussion in terms of potential intermolecular interactions of investigated compounds is actually very narrow. However, with the available data, as you mentioned, the investigation was done in only with 5 solvents, since only the spectral characterization of novel 1,5-benzodiazepine oximes was investigated.

Also very unfortunate, but the absorption spectra of our investigated compounds are not written in the reference solvent cyclohexane, for which π\*= α = β = 0, which means that we do not have the values of the parameter ν0 which are necessary for solving the Kamlet-Taft equation. This equation describes the effect of the polarity of the solvent on the absorption spectra using a linear ratio of solvation energy.

ν = ν0 + sπ\* +bβ + aα.

We could not have carried out more detailed calculations and in-depth analysis of solvatochromic effect of solvents, but this was not intended to be the subject of research. Moreover, in present, we do not have any options to calculate and study all the parameters using the mathematical computational multiple linear regression techniques (MLRA) or assessed by means of B3LYP functional method within a framework of conceptual density functional theory (DFT) approach, but if we come across additional problems that can be solved with the help of the calculations that you propose, we will keep in mind your proposal.

**6. Reviewer 2** Comment 1. In my opinion, this manuscript should be published after minor revision without additional review.

We appreciate your feedback and detailed analysis. We corrected the manuscript (Introduction and a few sentences in Results and discussions, as well as some corrections in the supplement) according to the reviewer 2 comments. We thank the reviewer for noticing that signals with 7.70, 7.80, 7.61 ppm can be assigned to the 1-NH group, and 9.39, 9.32, 9. 51 ppm are assigned to the OH group in an analogous manner to the assign of these signals to compounds **4**-**6** using the NOEs experiment.