

Review of the article entitled

First example of antiparasitic activity influenced by thermochromism: Leishmanicidal evaluation of 5,7-dimethyl-1,2,4-triazolo[1,5-a]pyrimidine metal complexes, by Jose M. Mendez-Arriaga, Itziar Oyarzabal, Alvaro Martin-Montes, Judith Garcia-Rodriguez, Miguel Quiros, Manuel Sanchez-Moreno

In this work, triazolopyrimidine metal complexes with advanced antiparasitic efficacy have been studied. A great, and selective antiproliferative and cytotoxic activity against promastigote forms of parasite, without undesired effect on the enzymatic human system has been found. Different enzymatic inhibition effect is observed, depending on structural changes and variations in the coordination sphere, and the synergetic effect present in coordination triazolopyrimidine complexes with the antiparasitic activity.

This manuscript is within the scope of the journal and suitable for publication after some revision.

Check that the entire manuscript is formatted according to the style of the journal.

The English language should be improved at some places.

Point should be deleted from the title of the manuscript.

In Keywords, triazolopyrimidine metal complexes or triazolopyrimidine complexes is more suitable than triazolopyrimidine.

All the Figures and Figures Legends should be placed at the adequate places, where they are first mentioned in the text.

For example, the legend of Figure 1 should be placed below Figure 1, the legend of Figure 3 should be placed below the entire Figure 3, or after Figure 3c, b and c parts of this figure should be centered, and placed one after another.

Figure 5 should be moved from page 8 to the page 7, above its legend.

The entire organization of the manuscript has to be improved.

Move Subheading 2.7. from page 3 to the next page 4.

The last heading from page 7 should be moved to the page 8.

It is preferable that the units of measure are placed in the same row with the number. For example, on page three, the first paragraph 170 should be moved to the next row beside g.

In Conclusion, Ni analogue should be replaced instead of ni analogue, Co complex should be replaced instead of co complex, CuZn-SOD enzyme should be replaced instead of cuzn-sod enzyme, the adequate tags and abbreviations should be the same and used in the entire manuscript.

Reviewer comments submitted to the website of the journal Medicinal Chemistry.

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