Review of: "Synthesis of 1, 2-Disubstituted Benzimidazoles at Ambient Temperature Catalyzed by 1-Methylimidazolium Tetraflouroborate ([Hmim] BF_4) and Investigating Their Anti-ovarian Cancer Properties Through Molecular Docking Studies and Calculations"

Aida Solhjoo

Potential competing interests: No potential competing interests to declare.

This is an interesting study. The paper is generally well-written. However, in my opinion, the paper has some shortcomings regarding some data analyses and text.

1. Please move Scheme 1 to the method section. Show the design of the synthesized compounds.

2. Figure 1 is not needed. It can be deleted.

3. The introduction section is too long. Please make the introduction shorter.

4. Please discuss the rationale of your design.

5. In the discussion part and the molecular docking study section, you write about Lee Pinsky's rules, which isn't related to this part of the docking study. Please change the headline.

6. How was the docking file for ligands and protein prepared? Which PDB code was selected? Which software was used for the docking study?

7. Please present docking energy results in a table, and the results of the compounds should be compared with the positive reference and the internal ligand. Discussing more and comparing the best ligand according to the docking result against the co-crystal ligand and positive ref.

8. How was the docking validation done?