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"

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Potential competing interests: No potential competing interests to declare.

This study details the synthesis of 1,2-disubstituted benzimidazoles in good to exceptional yields and short timeframes by reacting aromatic aldehydes with o-phenylenediamines (OPD) in the presence of 1-methylimidazolium tetrafluoroborate ([Hmim] BF4). Furthermore, computational chemistry and drug design methodologies were used to study and evaluate these compounds' anti-ovarian cancer characteristics.

The fundamental issue, in my opinion, is that the chemistry stated in the manuscript is already known. All compounds reported in Table 1 were previously prepared using the same protocol, including the reactions of aldehydes, and *o*-phenylenediamines. The only new thing in this article is the use of 1-methylimidazolium tetrafluoroborate ([Hmim] BF4) as a catalyst.

In addition, the following adjustments and revisions should be considered:

1. **Table 6, including a comparison of the prepared catalyst with the reported ones, should be moved before the Molecular docking study.**
2. **NMR (1H and 13C) data should be added to the experimental part for all compounds. Moreover, spectral data should be added as supplementary data.**
3. **The manuscript showed some spelling and grammatical errors and should be corrected before publication.**
4. **References should be written according to the authors' instructions.**