

# Review of: "Synthesis of 1, 2-Disubstituted Benzimidazoles at Ambient Temperature Catalyzed by 1-Methylimidazolium Tetrafluoroborate ([Hmim] BF<sub>4</sub>) 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.

Abdulhamid and coworkers prepared 1,2-disubstituted benzimidazole at ambient temperature, catalysed by 1-methylimidazolium tetrafluoroborate.

The author needs to justify the following clarifications:

1. Page 5: Could you elaborate on the catalyst recovery from the reaction mixture?
2. During the condensation reaction, why is H<sub>2</sub>O used as a solvent when most of the aryl aldehydes are insoluble in it? Justify.
3. Page 7: Table 1, entries 1 & 4: They used EtOH & MeOH as solvents in those reactions; how did MeOH show poorer performance than EtOH? Justify.
4. Page 7: Table 1, entries 3 & 9: With the same reactants and solvent, it showed a significant response at room temperature compared to the thermal condition. Justify.
5. Page 8: Table 2, entries 1, 2 & 3: Different aryl aldehydes are used, but how could almost the same reaction time and percentage of yield be shown in entries 1 & 3? Justify.