

# 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"

Dr. Kavitha Kotthireddy

Potential competing interests: No potential competing interests to declare.

Greetings to the authors of the manuscript,

The manuscript covering organic chemistry research and subsequent computational molecular docking studies is covered with a bundle of literature survey and organised in a manner. It specific proceeded with green reaction conditions.

Reaction conditions screening and optimisation is based on eco-friendly pathways rather than %of yield. The research area chosen is in the problem-solving area.

After the careful analysis of the manuscript, it is observed that few clarifications are needed.

1. During the synthesis of targeted product 1,2-disubstituted benzimidazoles, is it possible to draw the mechanism of formation?
2. The scheme framed for the target product, do all the starting materials are water soluble or not, since the reaction is carried out in EtOH and H<sub>2</sub>O in a 1:1 ratio at room temperature?
3. Thank you.