

Review of: "Synthesis of 1, 2-Disubstituted Benzimidazoles at Ambient Temperature Catalyzed by 1-Methylimidazolium Tetrafluoroborate ([Hmim] BF₄) 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.

The paper discusses the catalytic activity of ionic liquids using benzimidazoles, although it does not sufficiently explain the catalyst's role in the reaction or the subsequent isolation process. Adding a plausible mechanism for the catalyst and a detailed explanation of its isolation would enhance clarity. While the paper effectively incorporates computer calculations and details green synthesis, it would benefit from a more thorough characterization of the synthesized compounds. Several notable shortcomings are present in the article. Specifically, a detailed introduction highlighting the research's significance is essential. The results, discussion, and conclusion sections should include a comparative analysis of the synthesized molecules, and the data must be interpreted accurately before publication.