

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"

Asta Dabuliene¹

¹ Kaunas University of Technology

Potential competing interests: No potential competing interests to declare.

In this study, the authors report a synthesis of 1,2-disubstituted benzimidazoles catalysed by 1-methylimidazolium tetrafluoroborate ([Hmim] BF₄) and investigate their anti-ovarian cancer properties through molecular docking studies and calculations.

In my opinion, the manuscript needs revision, and my comments on the submission are as follows:

1. Table 3, Table 4, and Table 5 have the same title; they could be combined into one.
2. Figure 4 should be discussed in the text.
3. Was enough investigation done to conclude that all of the synthesized compounds possess beneficial effects for ovarian cancer treatment?
4. There are some small errors, e.g., orthophenylenediamine in some cases is marked as 2, and in other cases as 2a; this should be unified. In Table 1, the R, representing substituents, is unnecessary, etc.