

# Review of: "Design, Synthesis, and In-Silico Analysis of Thiazole-Embedded Schiff Base Derivatives for Breast Cancer Therapeutic Potential"

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Potential competing interests: No potential competing interests to declare.

The manuscript submitted by Khanam et al. entitled "Design, Synthesis, and In-Silico Analysis of Thiazole Embedded Schiff Base Derivatives for Breast Cancer Therapeutic Potential" presents some thiazole derivatives intended for use against cancer. However, the authors have synthesized and characterized the compounds, but there are a few concerns about the activity part. The manuscript must be revised by addressing the following points:

1. Revise the abstract to make it more comprehensive.
2. The facts presented about breast cancer are very old; update them.
3. Include the latest reports about the therapeutic potential of thiazole derivatives against breast cancer in the introduction.
4. State the point of novelty in the last part of the introduction along with a clearly defined rationale.
5. The authors have not considered significant targets of breast cancer for molecular docking. Name the targets that have been considered and what their role is in breast cancer progression.
6. In the SAR, the authors are mentioning antimicrobial activity, but the manuscript has been intended for breast cancer.
7. On the basis of docking, anticancer activity cannot be predicted. If possible, then include some in vitro cell line antiproliferative activity.