Review of: "A Novel One-Pot Three-Component Approach to Orthoaminocarbonitrile Tetrahydronaphthalenes Using Triethylamine (Et_3N) as a Highly Efficient and Homogeneous Catalyst Under Mild Conditions and Investigating Its Anti-cancer Properties Through Molecular Docking Studies and Calculations"

Chittaranjan Sinha[1]

1 Jadavpur University

Potential competing interests: No potential competing interests to declare.

Manuscript entitled, “A Novel One-Pot Three-Component Approach to Orthoaminocarbonitrile Tetrahydronaphthalenes Using Triethylamine (Et_3N) as a Highly Efficient and Homogeneous Catalyst Under Mild Conditions and Investigating Its Anti-cancer Properties Through Molecular Docking Studies and Calculations” by Abdulhamid Dehghani et al reported the one-pot synthesis of ortho-aminocarbonitrile tetrahydronaphthalenes by an efficient and environmentally friendly method in the presence of triethylamine (Et3N) as a homogeneous catalyst.

A similar report is available in (i) https://doi.org/10.1038/s41598-023-50021-7; (ii) https://doi.org/10.1080/00397911.2022.2119579; (iii)

Authors reported a novel approach to synthesis. What are the advantages of this approach? Authors did not compare the sustainability of your process to other methods.

“The present approach provides several advantages including simple workup, high yields, very mild reaction conditions, short reaction times, little catalyst loading, and not requiring specialized equipment.” The statement in the abstract is vague as there is no record or comparative data.

The in silico approach to the anticancer activities of these compounds is only theoretical, while no evidence at the bench level is available.

Besides, iThenticate studies show 90% similarity, so I am not interested in supporting its publication.