

Review of: "Investigation and Synthesis of Benzothiazole-Derived Schiff Base Ligand Against Mycobacterium tuberculosis"

Georgi M. Dobrikov¹

¹ Bulgarian Academy of Sciences, Sofia, Bulgaria

Potential competing interests: No potential competing interests to declare.

The present manuscript entitled "Investigation and Synthesis of Benzothiazole-Derived Schiff Base Ligand Against Mycobacterium tuberculosis" describes the synthesis of one Schiff base and some characterization of this compound.

I can point out the following most important issues in this manuscript:

- Poor English language
- Only one compound was synthesized
- Poor characterization of the compound
- Synthesis of the proposed compound sounds not plausible. Usually, the synthesis of Schiff bases from diaryl ketones and aromatic amines requires harsh conditions – highly boiling solvents, temperatures over 120°C, Dien-Starc conditions, the presence of an acidic catalyst like anhydrous $AlCl_3$ or $ZnCl_2$, and/or basic catalysts like Et_3N , etc....
- Generally, Schiff bases are not stable in aqueous media, especially in live cells (in bacteria and human cells). They easily hydrolyze. Thus, the investigation of the biological properties of Schiff bases is meaningless, in general.

In my opinion, THE PRESENT STUDY DOES NOT MEET THE REQUIREMENTS FOR PUBLICATION in any scientific journal!