

Review of: "Flavocillin: a potent TrxR and OATP inhibitor"

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Potential competing interests: No potential competing interests to declare.

Dear Sir

Generally speaking, the research was very well written and has a good and a nice idea, but the finishing and the final picture was not. There must be much effort and work to do in order to enhance it.

Now there is some notes for each section.

The abstract was too brief and it need more details about the enzymes and also more for conclusion in the abstract.

The introduction was very simple and also briefly written, it need more information's especially about the flavocillin uses, activity and applications with references, and also about its anti-beta lactamase effect. Also, more about the TrxR and GrxR.

In the method section you mention docking?????. There is no standard inhibitor used. The result 0.91 is good or not??, and depending on what. Also you mention anti-inflammatory effect !!! Depending on what??? If there is any docking process, where is the rest of the rest of the results.

In the result section, you mention docking study by the ADMETSar application!!! This application is for pharmacokinetics properties and not for docking? And if you do the ADMETSar study only, you should delete any thing about the docking. Or you should compare you score with other inhibitors or with other antibiotics

For what purpose you do the ADMETSar study? if it is a well non drug, these study were made before its approval????

In the discussion section : and in the first paragraph you mentioned the biofilm, by what mechanism and result you came by this property for the flavocillin.

In the second paragraph you mentioned antimicrobial activities ! Where is the results and the table and where the procedure for such study.

In the third paragraph you considered the flavocillin as OATP inhibitors ! Depending on what???

The last two paragraphs should be canceled or should be transported to the introduction suction, as this not you work.

In the conclusion , the first paragraph should be added and discussed in the previous section (discussion), and depending on what you conclude the dose should be increased or lowered????

The second paragraph should be transported to the introduction also ...

So where is your conclusion for your work.!!!???

Generally you research need more about

1. title should be changed and the TrxR and OATP should be removed, unless you add an Insilco to it ,and discuss it in the research. Also you should potentiate your Insilco study by in invitro study to conclude that this drug has an effect or act on such an enzyme.
2. The research is simple.
3. Need more procedures for tests.
4. Need results for the proceduress.
5. Need discussion for the results.
6. Need you conclusion of you results.