Reviewer's report

Title: TaxKB: A knowledge base for new taxane-related drug discovery

Version: 3
Date: 11 February 2015

Reviewer: Mariusz Butkiewicz

Reviewer's report:

General comments:

The authors present a very specific database for ADMET/structural/molecule property information of taxanes and derivatives assembled from literature. This database might be of use to researchers who work very closely with taxanes. Although, the web user interface could be improved.

- Major Compulsory Revisions
- Minor Essential Revisions

Background:
- paragraph 1: link given in first sentence does not work.
- paragraph 2: First sentence ".. mechanism of which ..." is incomplete.
- paragraph 3: please explain 'therapeutic index'
- paragraph 4: references for existing other databases (SuperNatural, etc.) are missing

Results and discussion:
- Figure 1 is specific to Paclitaxel. Yet, the paragraph that cites Figure 1 explains a more generic configuration of diterpenes.
- paragraph 2: Could the authors elaborate on the completeness of the taxane chemical space covered in TaxKB?
- Figures 1,3,4 appear to have a low resolution. There are no captions given.
- Figure 3 does not seem useful.
- Figure 4: some arrows seem to be out of place.

- Discretionary Revisions
- Having checked the web interface of TaxKB, there is currently no easy way to download the results of executed query from the site.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Needs some language corrections before being
**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.