Reviewer's report

Title: Involvement Of Seladin-1 In Goniothalamin Induced Apoptosis On Urinary Bladder Cancer Cells

Version: 1 Date: 16 May 2014

Reviewer: Özlem Sultan Aslantürk

Reviewer's report:

Major Compulsory Revisions:
1-Minutes must be abbreviated as min. instead of m in text.
2-There is no information about Etoposide, which was used as positive control in this study. Furthermore, in abstract and methods, it was not expound that etoposide was used as positive control.
3-Concentrations of Goniothalamine and etoposide were not present in Annexin V/PI Assay, in section Methods.
4-There is no information about H2O2 and Etoposide and their concentrations used in Western Blot Assay.
5-Authors must write source (reference) about assays in Methods, which were used in the study.
6-MTT assay result and Apoptotic effect result of IC50 concentration of etoposide are contradictory. Why is the apoptotic effect of IC50 concentration of etoposide 25.1% but cytotoxic effect 50%. Authors must explain this situation.

Minor Essential Revisions:
1-Authors have not compared results of Goniothalamine and Etoposide treatments each other.
2-Result about apoptotic effect of etoposide (25.1%) is present but necrotic effect value is not present.

Discretionary Revisions
1-In Methods section, rpm values of centrifugation could be present as g value.
2-In Western Blot assay, Authors have presented the treatment time as 24 hrs, but in Results section, treatment times of the substances (Goniothalamine, H2O2 and Etoposide) are different from each other. Furthermore, treatment times of IC50 dose of Goniothalamine is 24 hrs but treatment time for 50 and 100 µM doses are 4 hrs. Why?

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
published

**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.