Reviewer’s report

Title: Sirtuin1 activator SRT2183 suppresses glioma cell growth involving activation of endoplasmic reticulum stress pathway

Version: 1 Date: 03 Jun 2019

Reviewer: Ilaria Bellezza

Reviewer’s report:

The MS has been greatly improved. Nevertheless, some points still arise:

1. The decrease in cell viability observed in HUVEC cells suggested that the compound is not selective for glioma cells. This datum should be discussed and the conclusion that SRT 2183 can be a potential new therapeutic strategy should be corrected.

2. The little increase in cell viability observed in the presence of PBA should be discussed. It seems that the inhibition of ER stress fails to counteract SRT2183 effects.

3. The number of repeats for each experiment must be indicated.

4. Figure resolution is still too low

Are the methods appropriate and well described?
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?
If not, please specify which controls are required in your comments to the authors.

Yes

Are the conclusions drawn adequately supported by the data shown?
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No

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