Reviewer's report

Title: JS-K, a glutathione/glutathione S-transferase-activated nitric oxide releasing prodrug inhibits androgen receptor and WNT-signaling in prostate cancer cells

Version: 2 Date: 14 February 2012

Reviewer: D. Robert Siemens

Reviewer's report:

Minor essential revisions

The authors have not addressed the advice around the use of a Student t test for their figures which would appear ot be insufficient to address the concerns of repeated conditions (for example in Figure 2). An expeditious review by a statistics colleague would be simple and would improve the interpretation of the otherwise convincing results (i.e. an ANOVA with post-test rather than a T test). The ANOVA allows the comparison of more than two sample means, a t test is generally forbidden when there are many groups.

The reader might benefit from a description in the Introduction of why the authors wanted to look at WNT signaling *i.e. move the rationale from the Results section, which is misplaced, to the Introduction.

Otherwise, I believe the authors have addressed most of the comment from the reviewers and this paper would be of interest to several in the AR field.

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

Quality of written English: Acceptable

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.