Reviewer’s report

Title: P-glycoprotein and breast cancer resistance protein in acute myeloid leukaemia cells treated with the Aurora-B kinase inhibitor barasertib-hQPA

Version: 3 Date: 10 May 2011

Reviewer: Elisabeth Walsby

Reviewer’s report:

I just have one discretionary revision that arises from the revisions to the manuscript:

Statistical analysis on the expression of Pgp in the cell lines was performed by the authors. The OCI-AML3DNR cells were compared to the OCI-AML3 cell line, presumably as the parental cell line. Why were the KG-1a cells compared just to the U937 cells? are these cells a more appropriate control than the OCI-AML3 and OCI-AML6.2 cell lines?

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.

Declaration of competing interests:

I declare that I have no competing interests.