Reviewer’s report

Title: Methylthioadenosine (MTA) inhibits melanoma cell proliferation and in vivo tumor growth.

Version: 3 Date: 15 May 2010

Reviewer: Stefan Wiemann

Reviewer’s report:

Andreu-Perez and co-workers describe methylthioadenosine (MTA) as a potent inhibitor of melanoma cell proliferation as well as tumor growth. Andreu-Perez tested the effects of MTA using several melanoma cell lines as well as employing xenograft mouse models. Their most important finding is that MTA was indeed able to inhibit proliferation of melanoma tumor cells in vitro as well as in vivo. The authors conclude that MTA is a novel therapeutic candidate for the treatment of melanoma.

The authors have addressed the reviewers’ concerns and substantially improved the manuscript.

Level of interest: An article of importance in its field

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests