

Comments

Title: The effect of L-buthionine sulfoximine on the cytotoxicity and interactions of As, Cd, Hg and Pb in MCF-7 cell line

The authors have studied the influence of endogenous GSH level on cytotoxicity of 4 metals which are known environmental pollutants.

There are several shortcomings in this study.

1. Treatment with BSO for 24 h is not recommended. 2.5 mM BSO is very high concentration for mammalian cell lines. There was no mention on what basis the duration of treatment and the dose was selected.
2. The actual value of GSH content in MCF-7 cells was not shown and therefore the Table 1 has no value. Please show the value in the Results section.
3. What was the reason to select MCF-7 cell line in this study? Do you think that the cancer cell line is the proper system to study any environmental agent's cytotoxicity? One primary cell like human lymphocytes or mouse bone marrow cells is recommended.

On the basis of the above mentioned flaws it is difficult to assess the result reported in this Ms.

Specific comments

1. Very poorly written with so many mistakes. Why fullstop comes before the Reference in the text? Improvement in English is required.
2. I could not find Figure legends. Figures are also not clear. What do you mean by Arbitrary Unit.
3. I could not find the acknowledgement section.