

Reviewer 1

Figure 2 – missing A, B, C, D notations; in my opinion, this figure should exhibit important amino acid residues engaged.

Figure notations have been added to Figure 2 as requested.

Figure 3 – what H means? I suppose helix, but in my opinion, it should be explained.

A sentence 3 has been added in the caption to figure at line 332: “The four helices of one S100B subunit are labeled H1-H4.”

The manuscript concerns the possible use of chemotherapeutic agents, but mechanisms and details about the exemplary compounds are missing (eg. their structures, the way in which they interact)

A new figure (Fig.4) has been added with the chemical structure of the four CP inhibitors discussed in section 4.2. In addition, the chemical structures of some of the S100 protein inhibitors discussed in section 4.1 are now shown along with 3D structures of their complex with S100B in the new Figure 3.

Abbreviations should be explained the first time they are used, later authors should use abbreviations.

We have gone through the manuscript systematically to make these relevant changes.

Literature cited by the Authors relates rather to earlier years.

Two factors are contributing to this. First, we are referring to very basic ideas in the field that were largely worked out in earlier years. Second, as a rule we have sought out and cite references that represent the original discoveries.