Reviewer's report

Title: Pharmacologic inhibition of S-nitrosoglutathione reductase protects against experimental asthma via both bronchodilatory and anti-inflammatory activities

Version: 3 Date: 28 January 2013

Reviewer: Marcello Verini

Reviewer's report:

The research question posed by the authors is very interesting:
AS decreased level of S-Nitrosoglutathione caused by S-GSNOreductase hyperactivity is linked to bronchial asthma, the inhibition of this enzyme may lead to some beneficial effects in this condition?
The methods used to demonstrate this hypothesis are quite appropriate and well described, the manuscript adhere to the relevant standards for reporting and data deposition, but there are some
1) Major Compulsory Revisions that The Authors must clarify:
   a) Which are the functional characteristics of N6022. What's about possible adverse effect?
   b) How many mice in every experimental models?
   c) The rationale for averaging Penh in 4 minutes between two different Mch nebulization, when every Mch nebulization last 5 minutes and the recovery time is only of one?
   d) Why N6022 activity works in different manner between OVA sensitized or Not mice?
The discussion and conclusions are well balanced and adequately supported by the data. The limitations of the work must be better clearly stated.
The title and abstract must contain the word "in balb-mice".

Level of interest: An article of importance in its field

Quality of written English: Needs some language corrections before being published

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:
'I declare that I have no competing interests' below.