Reviewer's report

Title: Essential oil from Xylopia frutescens Aubl. reduces cytosolic calcium levels on guinea pig ileum: mechanism underlying its spasmolytic potential

Version: 4 Date: 23 July 2015

Reviewer: Luisa Tesoriere

Reviewer's report:

This study extends previous data from the same group regarding spasmolytic activity of essential oil from leaves of Xylopia frutescens, and concludes that histaminergic receptor antagonism and Cav1 blockade are involved in the smooth muscle relaxation caused by oil treatment. The experimental procedures are accurate and results are clearly discussed.

Minor essential revisions:
1- Use "Fluo-4-associated fluorescence" rather than "fluorescence" whenever it is reported
2- merge the Figures 3 and 4 into one figure as A and B
3- merge the figures 5 and 6 into one figure as A and B

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

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

Declaration of competing interests:

No competing interest