Reviewer's report

**Title:** Isolation and Biological Activity of Triglycerides of the Fermented Mushroom of Coprinus comatus

**Version:** 1  **Date:** 14 October 2011

**Reviewer:** Roberto Cuman

**Reviewer's report:**

The manuscript is very interesting, however it should be revised.

Major compulsory revisions: The authors related that TFC did not have a central effect (antinociceptive effect) but no evidences were demonstrated in their experiments. How did the anti-inflammatory of TFC have bee demonstrated (see conclusion)? Why was dexamethasone used as reference drug in the hot-plate test? Is it related to the permeability of TFC in across the blood brain barrier? Or, Was the reference drug used to study only the inflammatory pain? It is confused and data should be better discussed. In background: Was TFC produced or extracted? The authors did not showed statistic analysis, which test was used.

Minor essential revisions: Such as: "diclofanac" was used as reference drug?? "protein" concentration of TNF-alpha...", methodology should be improved or more clear;

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

**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'