Reviewer's report

Title: Induction of lung lesions in Wistar rats by 4-(methylnitrosamino)-1-(3-pyridyl)-1-butanone and their inhibitions by aspirin and phenethyl isothiocyanate.

Version: 1 Date: 14 September 2006

Reviewer: Myung-Haing CHO

Reviewer's report:

General

Current manuscript deals with NNK-induced lung tumorigenesis and chemopreventive effects of aspirin and PEITC. Overall, this manuscript may not deliver the new information. The major criticism is as following.

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Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

1. Like mentioned, current manuscript does not contain any new information. Authors insist that Wistar rat model has been established, however, there is no clear benefit of current model compared to pre-existing lab animal model of lung cancer. Moreover, the chemopreventive effects of aspirin and PEITC have been studied extensively by other researchers described elsewhere.

2. How authors sacrificed the rats? They should provide the method of euthanasia. Moreover, did authors get approval for the use of lab animal from the any committee for the laboratory animal care and use? Please provide such information.

3. Insufficient information is given describing the preparation of tissues for histopathology. Was the nasal cavity decalcified? Were lungs inflated with fixative? No reference is given for methods.

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Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

1. The manuscript contains a number of language-related grammatical errors.

2. The writing of current manuscript is verbose and poor that make it difficult to interpret what the authors intended.

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Discretionary Revisions (which the author can choose to ignore)

What next?: Reject because scientifically unsound

Level of interest: An article of insufficient interest to warrant publication in a scientific/medical journal

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

Statistical review: Yes