Reviewer’s report

Title: The JNK signaling pathway plays a key role in methuosis (non-apoptotic cell death) induced by MOMIPP in glioblastoma

Version: 1 Date: 03 Dec 2018

Reviewer: Xianming Deng

Reviewer's report:

Methousis is a novel and interesting concept but lack of detail mechanism study. In this study, Li and colleagues used a series of structurally-related indolyl chalcones. Despite both lethal and non-lethal compounds will induce numerous large vacuoles, they have distinct effects on glycolytic metabolism and JNK pathway. This study provides new insights into the molecular hallmarks of methousis and showed that MIMOPPs might have potential therapeutic use in GBM.

Are the methods appropriate and well described?  
If not, please specify what is required in your comments to the authors.

Yes

Does the work include the necessary controls?  
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Yes

Are the conclusions drawn adequately supported by the data shown?  
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Yes

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I am able to assess the statistics

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Acceptable

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