Reviewer's report

Title: Novel c-Met inhibitor suppresses the growth of c-Met-addicted gastric cancer cells.

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Reviewer: T Mashima

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In this paper, the authors reported novel c-Met inhibitors, KRC-00509 and KRC-00715. They showed that these agents selectively suppressed growth of c-Met overexpressed gastric cancer cells. In particular, KRC-00715 very selectively inhibited c-Met activity and suppressed tumor growth in vivo without loss of weight. Overall, data clearly indicated that the compounds are very selective and effective to the c-Met overexpressed cancer.

However, the following points should be clarified or revised in the manuscript to make sure the findings.

- Major Compulsory Revisions

In the manuscript, it is not clear how series of the compounds were designed and developed. In the Result section, they mentioned the previously reported c-Met inhibitors (triazolopyrazine scaffold in Cui et al.). However, it is not clear in what concept they developed candidate compounds based on the previous information. In addition, it is not clear what are the characteristics of the identified compounds compared to the previously reported ones (for instance, in their selectiveness to c-Met).

- Minor Essential Revisions

1) The method of kinase panel assay (by Millipore) which are mentioned in Abstract and in Result should be written in Materials and methods more in detail.

2) The information on all the cell lines used in the study should be described in the Materials and methods more in detail.

3) Background section should be written in more focused manner.

4) In the manuscript, many typographical or grammatical errors are also found.

5) In Figure 2B, MKN-45 data is missing.

6) Layout of Figure 3 should be re-organized. A and B should be combined and C and D should be combined. E and F could be moved to Supplementary data (size markers should be included).
7) Figure 4 should be indicated in more easily understandable manner (several data are small).

8) In Figure 5, statistical significance (p value) should be indicated.

- Discretionary Revisions

**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.