Reviewer’s report

Title: Oleanane triterpenoid CDDO-Me induces apoptosis in multidrug resistant osteosarcoma cells through inhibition of Stat3 pathway

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Reviewer: Jiayuh Lin

Reviewer’s report:

In this manuscript, authors examined the inhibition of Stat3 pathway Oleanane triterpenoid CDDO-Me in multidrug resistant human osteosarcoma cells.

Major Compulsory Revisions:

1. In figure 5, it will be necessary to include data on cleaved PARP as in figure 2B or cleaved caspase-3.

Minor Essential Revisions:

1. In Figures 2-6, what is (are) the serum concentration being used ?
2. In Figure 3, it will be helpful to include a DAPI staining.

Discretionary Revisions:

1. In Figure 3, it will be helpful to include a Western blot showing P-STAT3 is induced by IL-6 and inhibited by 1 microM of CDDO-Me.
2. Are other targets of CDDO-Me (besides STAT3) may be associated with the induction of apoptosis in these osteosarcoma cells ?

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:

I declare that I have no competing interests