RETRACTION NOTE



Retraction Note to: Lupeol inhibits proliferation and induces apoptosis of human pancreatic cancer PCNA-1 cells through AKT/ERK pathways

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Correction to: Naunyn-Schmiedeberg's Arch Pharmacol (2015) 388:295–304 https://doi.org/10.1007/s00210-014-1071-4

The Editor-in-Chief has retracted this article at the request of the first author. Concerns were raised regarding a number of figures in this article, specifically:

- Figure 7a: the four right tumors of the Control group appear to be identical to the 5-Fu (20mg/kg) group of Figure 7a in [1]
- Figure 8b: the lupeol (60mg/kg)/p-EGFR panel appears to partially overlap with the 5-FU (20mg/kg)/ p-AKT panel of Figure 8b in [1]
- Figure 8c: the lupeol (60mg/kg)/MMP-9 panel appears to partially overlap with the 5-FU (20mg/kg)/p-ERK panel of Figure 8c in [1]
- Figure 8d: the Control/PCNA panel appears to partially overlap with the Control/PCNA panel of Figure 8d in [1]

The first author has stated that some of the data could not be recovered. The Editor-in-Chief therefore no longer has confidence in the reliability of the data reported in the article.

All authors agree to this retraction.

[1] Liu, Y., Bi, T., Shen, G. et al. Lupeol induces apoptosis and inhibits invasion in gallbladder carcinoma GBC-SD cells by suppression of EGFR/MMP-9 signaling pathway. Cytotechnology 68, 123–133 (2016). https://doi.org/10.1007/s10616-014-9763-7

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