

# Anti-glioblastoma activity of monensin and its analogues in an organoid model of cancer

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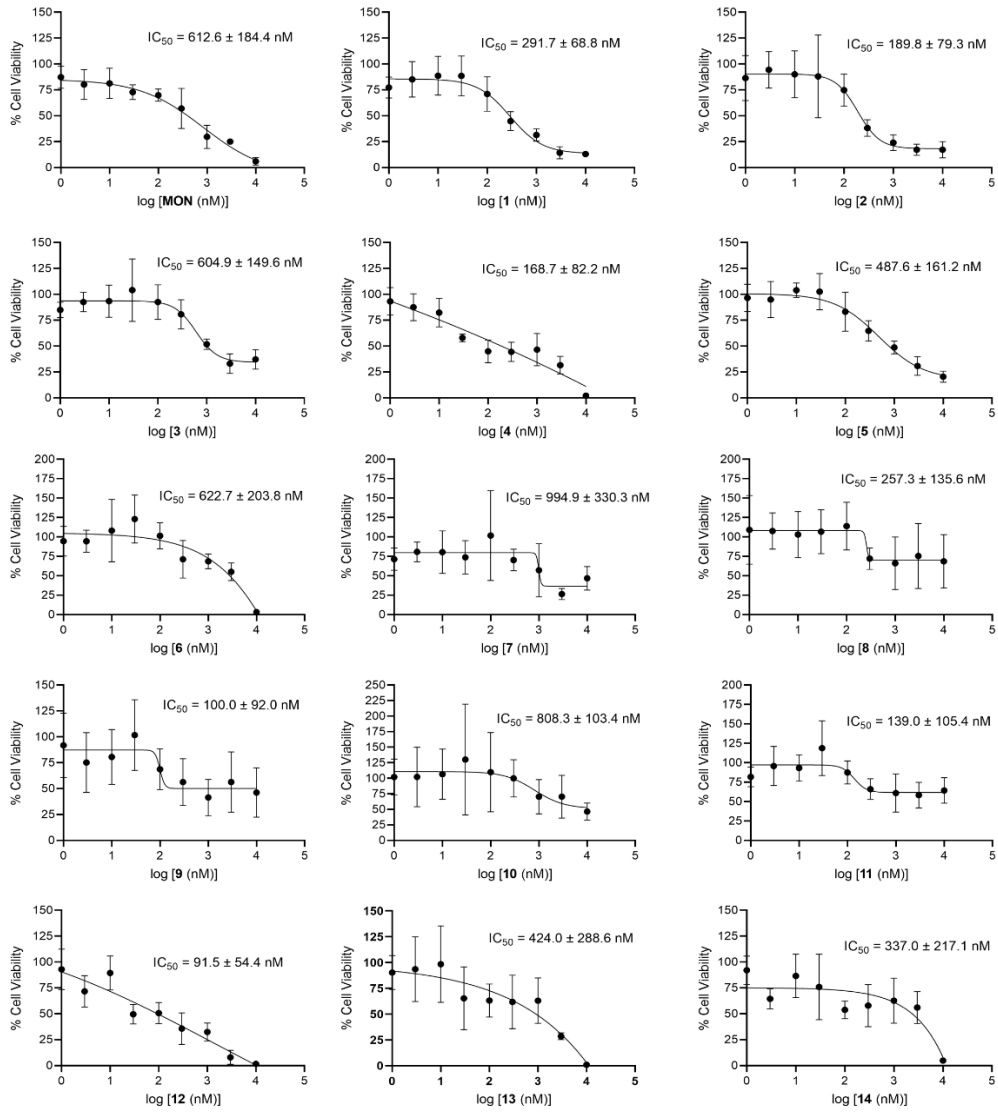
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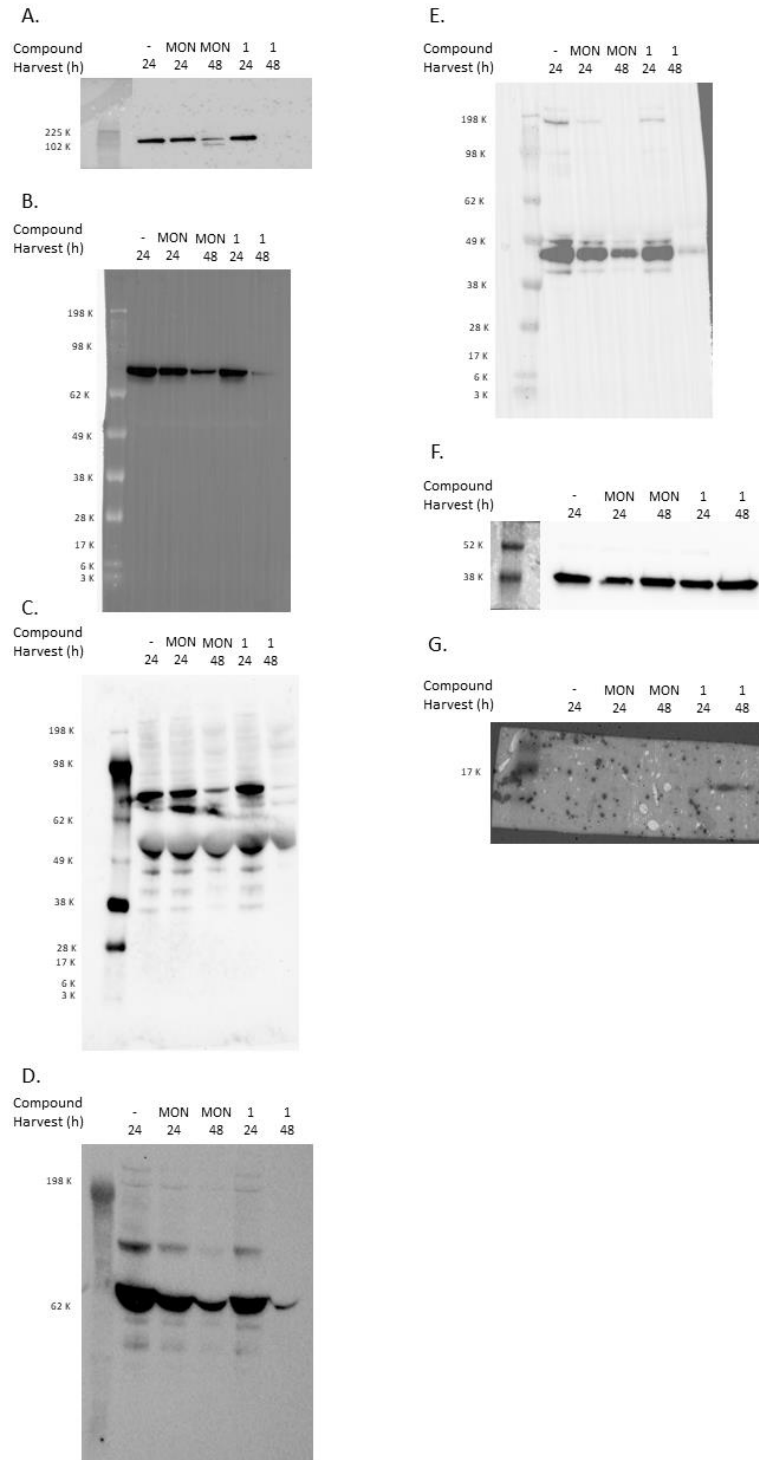
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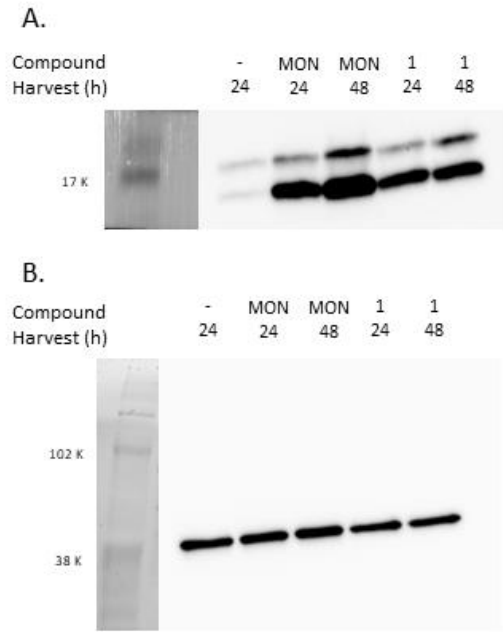
**Supplementary material**



**Figure S1.** Cell viability was determined by MTT mini-ring assay. Results are given as mean  $\pm$  SD (n = 4). The graphs represent sensitivity of U118 MG glioblastoma derived organoids to **MON** and its analogues. Mini-rings were treated with vehicle (100% viability) or increasing concentrations of compounds (see Experimental Section for details).



**Figure S2.** Uncropped immunoblots for whole cell lysate samples. Images of full blots of the samples shown as cropped images in Figure 5. The following primary antibodies were used for probing each blot: **A** PARP; **B** STAT3; **C** p-STAT3; **D** p-Akt; **E** p-GSK-3 $\beta$ ; **F** GAPDH; **G**  $\gamma$ H2AX. The reference molecular weight ladder is shown towards the left of each blot. Of note, in some instances the membranes were cut prior staining in order to ensure simultaneous staining with more than one antibody against proteins of different molecular weights.



**Figure S3.** Uncropped immunoblots for whole cell lysate samples. Images of full blots of the samples shown as cropped images in Figure 6. The following primary antibodies were used for probing each blot: **A** LC3B; **B** GAPDH. The reference molecular weight ladder is shown towards the left of each blot. Of note, membrane in the panel A was cut prior staining in order to ensure simultaneous staining with other antibodies.