Phytotherapeutics oridonin and ponicidin show additive effects combined with irradiation in pancreatic cancer *in vitro*

Jakob Liermann, Patrick Naumann, Franco Fortunato, Thomas E. Schmid, Klaus-Josef Weber, Jürgen Debus, Stephanie E. Combs

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**SUPPLEMENTARY FIGURE 1.** Determination of radiosensitivity according to Steel and Peckham\(^2\). (A) measured results in a clonogenic assay, (B) the “theoretical control-curve” represents the course of measured control curve at a pre-effect similar to the single reagent treatment’s effect. Additive effects are defined as area between the measured control curve and the theoretical one. Therefore, the mean value +/- standard deviation should be situated completely in the described area.

**SUPPLEMENTARY FIGURE 2.** Clonogenic assays of AsPC-1, BxPC-3, Panc-1 and MIA PaCa-2 cells treated with either (A) oridonin (ORI) or (B) ponicidin (PON) as indicated. Results are presented as mean values +/- standard deviation. At least three independent experiments were performed. *P < 0.05, **P < 0.01, ***P < 0.001.

**SUPPLEMENTARY FIGURE 3.** Comparison of clonogenic survival rates of AsPC-1, BxPC-3, Panc-1 and MIA PaCa-2 cells treated with either oridonin (ORI) or ponicidin (PON) as indicated. Results are presented as mean values +/- standard deviation. At least three independent experiments were performed. *P < 0.05, **P < 0.01.
SUPPLEMENTARY FIGURE 4. Clonogenic survival of AsPC-1, BxPC-3 and MIA PaCa-2 cells treated with either irradiation and/or oridonin (ORI) and ponicidin (PON) as indicated. Survival curves and radiosensitivity to different dosages with measured and theoretical control curve, according to Steel and Peckham. Results are presented as mean values +/− standard deviation. At least three independent experiments were performed.
SUPPLEMENTARY FIGURE 5. Cell cycle assays of AsPC-1, BxPC-3 and MIA PaCa-2 cells treated with irradiation and/or oridonin (ORI) and ponidicin (PON) as indicated. Results are presented as mean values +/- standard deviation. *P < 0.05, **P < 0.005, ***P < 0.001, asterisk referring to the amount of cells in G2/M-phase. At least two independent experiments were performed.