**Additional material**

Methodology: non-cancerous colon cells (CCD18) were cultured in EMEM supplemented with 10% FBS. Cells were kept under standard conditions of temperature (37°C), humidity (95%) and carbon dioxide (5%). The cytotoxicity assays were carried out through MTT assay, as it has been done for the cancerous cells (MIA PaCa-2, PANC-1).

For cancerous colon cells (SW-620), the conditions and experimentation were the same than for pancreatic cancer cells, as explained in Methods section.

**Table S1**. Sensitivity of SW-620 human colon cancer cells and CCD18 colon cells to Yarrow and Marigold extracts

|  |  |  |  |
| --- | --- | --- | --- |
| **Extract** | **Parameter (µg/mL)** | **SW-620** | **CCD18** |
| **Yarrow** | IC50 | 49,8 ± 1,6 | 81,6 ± 14,1 |
| GI50 | 30,1 ± 2,3 | >150 |
| TGI | 90,6 ± 3,7 | >150 |
| LC50 | >150 | >150 |
| **Marigold** | IC50 | 63,4 ± 3,0 | 84,3 ± 21,2 |
| GI50 | 59,06 ± 2,6 | >150 |
| TGI | >100 | >150 |
| LC50 | >100 | >150 |

Data are the mean ± SEM of at least three independent experiments each performed in triplicate.

(IC50) Effective concentration required for 50% inhibition of cell proliferation, after 48h treatment.

(GI50) Concentration required for 50% cell growth inhibition, after 48h treatment.

(TGI) Concentration required for total cell growth inhibition, after 48h treatment.

(LC50) Concentration required for 50% cell death, after 48h treatment.

J:\paper screening\figuras paper lamia screening\sw620 y ccd18 juntos mtt mil y cal  figure S1.tif

**Fig. S1**. Dose-response curves of cell viability assays after 48 hours’ treatment of SW-620 colon cancer cells (A) versus CCD18 non-cancer cells (B) with increasing concentrations of Yarrow and Marigold SFE extracts. Data represent means ± S.E.M of at least three independent experiments each performed in quadruplicate. Asterisks indicate statistical differences in treated cells with respect to the control (non-treated cells, DMSO 0.1%). \*\*\*p<0.001; \*\*\*\*p<0.0001.