### 24h

% Viability

Abs 450nm

150

100

50

2.0

1.5

E

GI50 = 1669.0 g/mL

1.0

0.5

0 0.0

A

MiaPaCa2

\*\* \*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\*

\*\*\*\* \*\*\*\* \*\*\*\*

10-1

100

Log [Dose SE (g/mL) ]

101

### 48h

150

100

Dose SE (g/mL)

2.5

F

GI50 = 783.5 g/mL

2.0

1.5

1.0

B

\*\*\*\*

% Viability

Abs 450nm

50

0.5

0 0.0

10-1 100 101

Log [Dose SE (g/mL) ]

### 72h

150 3

Supplementary Figure 2 Viability of MiaPaCa2 cells treated with Saponin fraction (SE) ranging from 0-2000 µg/mL and Gemcitabine 50nM determined by CCK8 colourimetric assay *MiaPaCa2 cells treated SE for A: 24 hours, B: 48 hours, C: 72 hours, D: 96 hours. GI50 values of MiaPaCa2 cells are E: 1669.0 µg/mL for 24 hours F: 783.5 µg/mL for 48 hours G: 350.8 µg/mL for 72 hours and H: 338.2 µg/mL for 96 hours. Significance between treatment groups and the negative control calculated using one-way ANOVA represented over treatment columns by ‘\*’ = p<0.05, ‘\*\*’ = p<0.01, ‘\*\*\*’ = p<0.005, ‘\*\*\*\*’ = p<0.001.*

100 2

Dose SE (g/mL)

C

\*\*\*

\*\*

\*\*\*\* \*\*\*\*

G

GI50= 350.8 g/mL

Abs 450nm

50 1

% Viability

0 0

10-1 100 101

Log [Dose SE (g/mL) ]

### 96h

150

100

D

Dose SE (µg/mL)

\*\*\*\*

\*\*\*\* \*\*\*\* \*\*\*\* \*\*\*\*

% Viability

50

0

5

4

H

GI50= 338.2 g/mL

Abs 450nm

3

2

1

0

100 101

Log [Dose SE (g/mL) ]