

**Table S1.** IC50 for E2 and K<sub>2</sub>CrO<sub>4</sub> after simultaneously effect on SKOV-3 cells line, measured by MTT after 24h and 48h (expressed in μM)

E2	K <sub>2</sub> CrO <sub>4</sub>	0.01 μM E2	0.1 μM E2	10 μM E2	50 μM E2
<b>24h</b>	10.9746	10.7894	9.75572	0.0976	1.8907
<b>48h</b>	5.4618	4.69393	4.05423	3.11795	6.9395

**Table S2.** IC50 for 2-MeOE2 and K<sub>2</sub>CrO<sub>4</sub> after simultaneously effect on SKOV-3 cells line, measured by MTT after 24h and 48h (expressed in μM)

2-MeOE2	K <sub>2</sub> CrO <sub>4</sub>	0.001 μM 2-MeOE2	0.1 μM 2-MeOE2	10 μM 2-MeOE2	50 μM 2-MeOE2
<b>24h</b>	10.9746	12.6869	14.6962	8.62121	12.7909
<b>48h</b>	5.4618	6.74551	6.08274	8.85796	0.0903

**Table S3.** IC50 for 16α-OHE1 and K<sub>2</sub>CrO<sub>4</sub> after simultaneously effect on SKOV-3 cells line, measured by MTT after 24h and 48h(expressed in μM)

16αHyEstr	K <sub>2</sub> CrO <sub>4</sub>	0.001 μM 16α-OHE1	0.1 μM 16α-OHE1	10 μM 16α-OHE1	50 μM 16α-OHE1
<b>24h</b>	10.9746	7.16231	4.15677	8.78224	7.93962
<b>48h</b>	5.4618	3.44587	3.17919	2.8159	5.19472

**Table S4.** IC50 for examined compounds in SKOV-3 cells line after 24h and 7days pre-incubation with E2 , 2-MeOE2 and 16α-OHE1 and exposure to K<sub>2</sub>CrO<sub>4</sub>, measured by MTT after 24h and 48h(expressed in μM)

E2	K <sub>2</sub> CrO <sub>4</sub>	K <sub>2</sub> CrO <sub>4</sub> + 0.01 μM E2	24h pre-inc. 0.01 μM E2	7 days pre-inc. 0.01 μM E2
<b>24h</b>	10.9746	10.7894	21.6823	15.2604
<b>48h</b>	5.4618	4.6939	3.38973	1.87134
2-MeOE2	K <sub>2</sub> CrO <sub>4</sub>	K <sub>2</sub> CrO <sub>4</sub> + 0.1 μM 2-MeOE2	24h pre-inc. 0.1 μM 2-MeOE2	7 days pre-inc. 0.1 μM 2-MeOE2
<b>24h</b>	10.9746	12.6869	13.8867	10.3379
<b>48h</b>	5.4618	6.5521	3.38973	1.87134
16α-OHE1	K <sub>2</sub> CrO <sub>4</sub>	K <sub>2</sub> CrO <sub>4</sub> + 0.001 μM 16α-OHE1	24h pre-inc. 0.001 μM 16α-OHE1	7 days pre-inc. 0.001 μM 16α-OHE1
<b>24h</b>	10.9746	7.16231	6.97628	35.9269
<b>48h</b>	5.4618	3.44587	2.51319	2.23566