



**Figure 15.** Distribution in the cell cycle of HeLa cells treated with naringenin and naringenin-EC25 cisplatin (16 μM) for 24 and 48 h. A) Distribution in the different phases of the cell cycle at 24 h and 48h.  $p < 0.05$  according to Tukey's mean test,  $n=6$ ; B) Cell cycle distribution histograms at 24 h and 48h. Positive proliferation control (vehicle); Negative proliferation control (Starvation).

Relative area of invasion (um)  
of spheroids 24h

0	100	300	500
8.556	2.985	2.071	1.424
23.811	3.623	2.825	3.181
9.684	11.907	1.654	1.579
12.653	5.235	0.439	0.937
5.719	7.664	1.264	0.685
19.656	5.198	1.142	1.587
10.074	6.785	0.951	0.565
7.772	3.156	1.023	0.916
8.151	5.015	2.878	0.483
10.637	2.974	1.633	1.125
2.314	18	1.49	2.245
15.916	6.595	3.738	1.777

Relative area of invasion (um) At 48h

0	100	300	500
10.504	30.406	6.874	3.489
36.233	12.097	4.904	3.624
35.195	28.374	7.442	2.022
30.246	17.254	11.797	9.41
24.265	19.636	5.015	0.867
49.956	9.318	5.421	3.151
15.402	6.164	7.21	2.8
17.053	13.36	5.595	3.503
37.462	12.894	6.198	0.728
35.933	18.11	12.102	2.747
12.821	21.753	7.256	2.21

Relative area of invasion (um)  
Combination of naringenin +  
cis-platinum

Vehicle	EC25	EC25+Nar	EC50	EC50+Nar
8.556	4.637	12.937	13.056	2.64
23.811	9.846	8.88	5.946	6.568
9.684	9.932	5.002	4.117	2.38
12.653	20.645	3.425	3.482	4.152

5.719	13.165	9.438	9.709	1.393
19.656	11.304	5.114	1.618	3.465
10.074	19.502	2.218	9.348	9.742
7.772	14.863	8.973	3.323	11.284
8.151	20.025	2.543	4.395	5.71
10.637	23.761	9.488	4.935	5.003
2.314	14.768	6.802	5.698	6.372