

SUPPLEMENTARY MATERIAL

Table S1. Percentage of Biofilm Inhibition Activity of Mf-Ag₂ONPs

Mf-Ag ₂ ONPs	<i>Staphylococcus aureus</i> ATCC 25923		<i>Listeria monocytogenes</i> ATCC 13932		<i>Pseudomonas aeruginosa</i> ATCC 9027		<i>Burkholderia cepacia</i> ATCC 25416	
µg/mL	Mean	SD	Mean	SD	Mean	SD	Mean	SD
40	72%	4%	46%	6%	91%	10%	89%	10%
20	71%	5%	6%	10%	75%	16%	87%	12%
10	44%	9%	7%	7%	N-Inh	-	42%	12%
5	36%	14%	14%	12%	1%	1%	29%	12%
2.5	33%	12%	8%	10%	N-Inh	-	25%	14%

N-Inh: No biofilm inhibition recorded at the tested concentration

Table S2. Antitumor activity of Mf-Ag₂ONPs and extract. Mean and standard deviation (SD) are presented. This data was used to generate dose-response curves and calculate the IC₅₀ values.

Mf-Ag₂ONPs

µg/mL	HeLa		HCT116		THJ29T		MDA-MB-231		NIH3T3	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
0	100	0	100	0	100	0	100	0	100	0
0.39	98.283		98.3		82.835				82.777	
0.78	85.274	11.502	99.847	1.078	85.905	9.274	88.299	1.255	84.546	12.714
1.56	78.758	9.156	95.749	7.447	84.855	8.247	79.928	1.022	78.625	10.303
3.13	78.922	10.78	81.853	2.713	79.942	3.426	66.741	25.375	70.548	19.279
3.91			81							
6.25	19.536	2.876	23.42	1.421	51.863	19.93	47.886	13.74	35.26	4.43
7.81			32							
12.5	19.195	3.578	26.013	8.079	33.039	12.38	41.089	2.168	30.214	3.509
15.63			34							

25	20.188	3.547	23.833	2.157	30.199	6.996	39.197	4.56	32.922	4.424
31.25			36							
50	18.727	3.121	24.566	2.253	31.203	5.846	39.066	9.974	37.722	7.195
100	22.623		27.609		36.757					

Mf-extract

mg/mL	HeLa		HCT116		THJ29T		MDA-MB-231		NIH3T3	
	Mean	SD	Mean	SD	Mean	SD	Mean	SD	Mean	SD
0	100	0	100	0	100	0	100	0	100	0
0.08	89.825									
0.16	77.095	10.113	99.393	3.371	93.844	6.067	91.508	2.63	83.073	11.92
0.31	71.002	9.601	92.512	5.95	88.435	4.21	83.417	1.797	76.762	7.982
0.63	69.65	9.382	94.299	7.793	93.465	11.482	83.774	5.928	75.02	8.869
1.25	70.629	10.733	87.107	1.16	88.818	8.813	81.346	7.464	72.416	6.034
2.5	70.179	8.272	86.016	8.183	80.543	4.184	74.949	11.981	66.782	7.741
5	48.497	15.416	58.918	15.442	63.728	13.394	65.761	13.224	62.87	11.015
10	18.925	2.278	25.89	7.562	27.134	4.875	41.835	3.696	43.431	7.607