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**Formulation, development, and in vitro evaluation of a nanoliposomal delivery system for mebendazole and gefitinib**

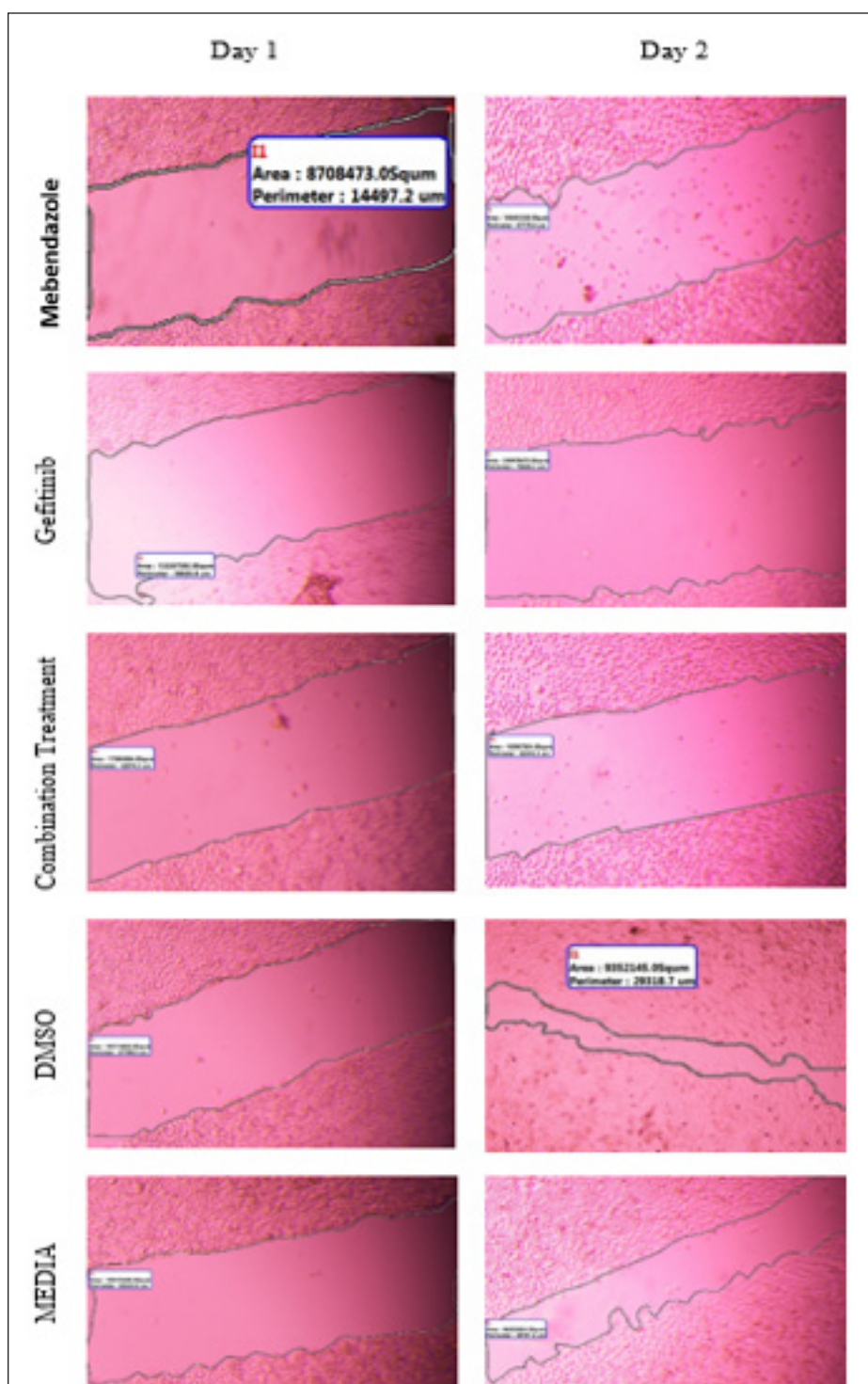
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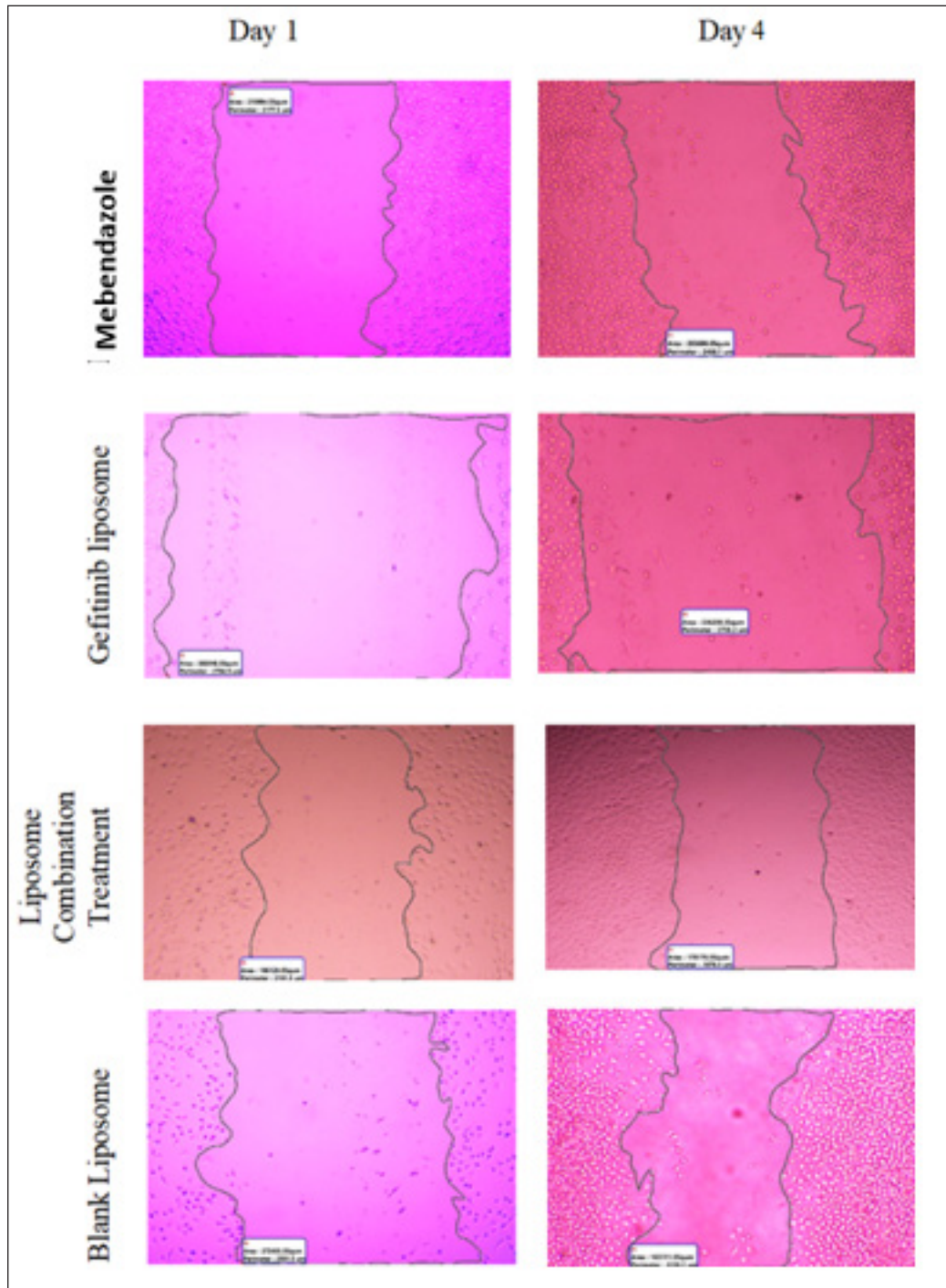
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## SUPPLEMENTARY MATERIALS



Supplementary Figure S1. Wound closure area ( $\mu\text{m}^2$ ) for free MBZ, GEF and combination treatment. DMSO and media used as negative control.



**Supplementary Figure S2.** Wound closure area (µm<sup>2</sup>) for MBZ liposome, GEF liposome and combination treatments. Blank used as negative control.

**Supplementary Table S1.** Number of counted colonies for free MBZ and GEF.

		Number of colonies counted											
		MBZ					GEF						
		$0.5 \times IC_{50}$	$IC_{50}$	$2 \times IC_{50}$	DMSO	Media 1	Media 2	$0.5 \times IC_{50}$	$IC_{50}$	$2 \times IC_{50}$	DMSO	Media 1	Media 2
		7	3	0	10	13	13	8	7	5	10	15	17
Day 1		7	2	0	11	12	13	10	9	3	12	14	17
		5	3	1	10	13	14	12	9	5	12	14	15
		8	7	7	26	33	38	26	22	22	28	35	42
Day 3		10	9	7	29	32	35	25	24	17	31	34	38
		12	10	5	27	30	32	26	20	11	29	33	36
		14	11	9	45	55	57	38	29	25	47	55	59
Day 5		16	9	8	51	57	55	40	25	23	55	59	57
		12	12	6	50	51	59	43	21	29	53	55	63
		27	15	10	67	90	87	43	37	30	69	93	89
Day 7		30	19	10	82	88	90	44	37	35	77	95	92
		31	16	9	80	88	85	50	28	29	82	92	88
		31	22	10	89	112	116	60	50	45	91	120	122
Day 9		35	27	8	100	110	120	62	55	38	99	110	120
		39	25	11	95	100	112	66	57	40	120	119	122
		58	33	11	120			75	62	58	125		
Day 12		61	30	10	112	Full saturation	Full saturation	88	68	55	120	Full saturation	Full saturation
		68	29	10	109			77	66	49	120		

Supplementary Table S2. Number of counted colonies for nanoliposomes loaded with MBZ, GEF and combination of MBZ and GEF.

Day	Number of colonies counted																	
	MBZ							GEF							MBZ and GEF			
	$0.5 \times IC_{50}$	$IC_{50}$	$2 \times IC_{50}$	DMSO	Media 1	Media 2	$0.5 \times IC_{50}$	$IC_{50}$	$2 \times IC_{50}$	DMSO	Media 1	Media 2	$0.5 \times IC_{50}$	$IC_{50}$	$2 \times IC_{50}$	Blank liposome	Media 1	Media 2
1	7	3	0	10	13	15	8	7	5	10	15	17	2	1	0	22	35	33
	7	2	0	11	12	15	10	9	3	12	14	17	1	0	0	29	34	35
	5	3	1	10	13	14	12	9	5	12	14	15	1	0	0	30	30	30
3	8	7	7	26	33	38	26	22	22	28	35	42	0	0	0	47	55	58
	10	9	7	29	32	35	25	24	17	31	34	38	0	0	0	53	50	56
	12	10	5	27	30	32	26	20	11	29	33	36	0	0	0	51	45	60
	14	11	9	45	55	57	38	29	25	47	55	59	0	0	0	68	90	89
5	16	9	8	51	57	55	40	25	23	55	59	57	0	0	0	82	87	90
	12	12	6	50	51	59	43	21	29	53	55	63	0	0	0	82	89	81
	27	15	10	67	90	87	43	37	30	69	93	89	0	0	0	90	110	116
7	30	19	10	82	88	90	44	37	35	77	95	92	0	0	0	102	101	121
	31	16	9	80	88	85	50	28	29	82	92	88	0	0	0	96	99	120
	31	22	10	89	112	116	60	50	45	91	120	122	0	0	0	Full saturation	Full saturation	Full saturation
9	35	27	8	100	110	120	62	55	38	99	110	120	0	0	0	Full saturation	Full saturation	Full saturation
	39	25	11	95	100	112	66	57	40	120	119	122	0	0	0	Full saturation	Full saturation	Full saturation
12	58	33	11	120	Full saturation	Full saturation	75	62	58	125	Full saturation	Full saturation	-	-	-	-	-	-
	61	30	10	112	Full saturation	Full saturation	88	68	55	120	Full saturation	Full saturation	-	-	-	-	-	-
	68	29	10	109	Full saturation	Full saturation	77	66	49	120	Full saturation	Full saturation	-	-	-	-	-	-

-: Observations not recorded.