

SUPPLEMENTARY TABLES 1A-1F CORRESPONDING TO FIGURES 1A,1C,1D,2A,2B AND 2D, RESPECTIVELY

Table 1A: Effect of different fractions of <i>M. charantia</i> seeds on HL60 cells differentiation on day 5 of the treatment.									
Treatment	Mc-1			Mc-2			Mc-3		
Conc. (µg/ml)	5	10	20	5	10	20	5	10	20
Total number of cells counted	608	650	638	408	547	534	535	611	628
Number of NBT positive cells	162	169	158	154	280	285	25	26	28
DMSO (1%), a positive inducer resulted in 294 NBT positive cells out of 578 cells counted.									

Table 1B: Time dependence of Mc-2 induced HL60 cells differentiation						
Days after treatment	Control		Mc-2A (20 mg/ml)		DMSO (1%)	
	Total no. of Counted cells	No. of NBT positive cells	Total no. of Counted cells	No. of NBT positive cells	Total no. of Counted cells	No. of NBT positive cells
1	544	9	542	14	500	26
2	548	22	593	40	647	61
3	620	40	613	169	580	127
4	542	45	566	253	469	248
5	528	44	648	258	610	303

Table 1C: Effect of heat-inactivated Mc-2 (Mc-2H) and protease-treated Mc-2 (Mc-2P) on HL60 cells differentiation				
Treatment	Control	Mc-2 (20 µg/ml)	Mc-2H(20 µg/ml)	Mc-2P (20 µg/ml)
Total no. of counted cells	631	634	590	554
No. of NBT positive cells	27	298	247	240

Table 1D: Effect of acetone extract of Mc-2 (Mc-2Ac) on HL60 cells differentiation					
Treatment	Final Conc. (µg/ml)	Day 4		Day5	
		Total No.of counted cells	No. of NBT Positive cells	Total No.of counted cells	No. of NBT Positive cells
Control	-	444	40	587	72
Mc-2Ac	5	586	197	598	262
	10	801	340	542	324
	20	691	353	706	403

Table 1E: Time dependence of Mc-2A induced HL60 cells differentiation

Days after treatment	Control		Mc-2A (20 mg/ml)		DMSO (1%)	
	Total no. of Counted cells	No. of NBT positive cells	Total no. of Counted cells	No. of NBT positive cells	Total no. of Counted cells	No. of NBT positive cells
1	579	9	626	34	615	35
2	628	15	583	100	612	57
3	652	45	616	195	636	147
4	625	59	669	339	567	435
5	590	62	718	386	578	424

Table 1F : Minimum time required for Mc-2Ac to induce differentiation

Hours in the presence of Mc-2Ac (20 µg/ml)	24	48	72	96	120
Total number of cells counted	608	650	638	408	547
Number of NBT positive cells	162	169	158	154	280