

Supplementary table 1: Routine hematological parameters of SD rats after 7 days of administration of different formulations

Num	Group	WBC (10 ⁹ /L)	Neu (10 ⁹ /L)	Lym (10 ⁹ /L)	Mon (10 ⁹ /L)	Eos (10 ⁹ /L)	Bas (10 ⁹ /L)	Neu (%)	Lym (%)	Mon (%)	Eos (%)	Bas (%)	RBC (10 ¹² /L)	HGB (g/L)	HCT (%)	MCV (fL)	MCH (pg)	MCHC (g/L)	RDW-CV (%)	RDW-SD (fL)	PLT (10 ⁹ /L)	MPV (fL)	PDW (%)	PCT (%)
1	Blank	7.37	0.49	4.04	0.13	0.01	0.00	13.30	75.50	9.90	1.30	0.00	6.25	141.00	38.40	61.40	22.60	368.00	13.50	33.50	1067.00	6.60	15.40	0.71
2		6.34	0.73	4.98	0.53	0.01	0.03	15.10	57.00	1.60	0.90	0.01	9.12	156.00	37.40	57.20	18.30	345.00	10.50	29.10	897.00	4.20	19.10	0.35
3		7.18	2.14	10.50	1.11	0.16	0.00	21.80	66.30	7.00	2.10	0.00	8.11	162.00	44.30	50.10	18.30	339.00	14.10	38.60	1105.00	6.40	13.50	0.41
4	Met-CDs @P407	5.32	1.23	3.57	0.48	0.04	0.00	23.10	67.10	9.10	0.70	0.00	7.71	171.00	46.30	60.10	22.10	369.00	13.70	33.50	1033.00	6.50	15.50	0.67
5		5.83	2.53	11.50	0.39	0.12	0.00	20.00	83.10	3.50	0.60	0.00	5.79	149.00	49.50	62.70	20.20	329.00	15.50	42.10	1058.00	8.20	11.50	0.44
6		8.13	2.01	8.63	0.51	0.31	0.02	7.10	68.00	2.40	0.10	0.00	8.58	173.00	38.40	57.90	19.30	351.00	13.20	23.50	766.00	8.40	15.30	0.61
7	Met@P407	5.01	0.34	4.50	0.17	0.00	0.00	6.60	89.90	3.50	0.00	0.00	6.78	152.00	41.00	60.50	22.40	370.00	14.00	34.40	1260.00	6.20	15.40	0.79
8		7.16	1.85	7.49	0.25	0.01	0.02	11.40	72.10	5.70	0.40	0.01	7.85	156.00	50.10	53.40	20.10	308.00	17.60	38.40	1049.00	6.30	15.90	0.59
9		6.09	2.07	6.37	0.77	0.21	0.01	15.60	75.10	8.10	3.10	0.02	5.92	167.00	48.20	55.50	20.80	342.00	11.50	32.60	1360.00	8.10	13.50	0.64
10	Mino- cycline	3.73	0.33	3.31	0.08	0.01	0.00	8.60	88.80	2.30	0.30	0.00	7.01	156.00	42.10	60.00	22.30	372.00	14.00	34.10	1278.00	5.90	15.20	0.76
11		10.20	1.19	10.01	1.20	0.07	0.00	10.00	66.30	5.10	2.10	0.01	8.51	149.00	47.60	49.80	19.80	320.00	15.20	29.30	1152.00	7.90	14.80	0.63
12		7.19	1.53	9.63	0.62	0.10	0.02	21.00	68.10	1.40	1.80	0.00	7.63	160.00	39.80	57.60	19.30	351.00	16.10	34.20	1099.00	6.60	16.40	0.59

Abbreviations: Date, sampling date; Num, rat identification number; Group, experimental grouping; WBC, white blood cell count; Neu, absolute neutrophil count; Lym, absolute lymphocyte count; Mon, absolute monocyte count; Eos, absolute eosinophil count; Bas, absolute basophil count; Neu, neutrophil percentage; Lym, lymphocyte percentage; Mon, monocyte percentage; Eos, eosinophil percentage; Bas, basophil percentage; RBC, red blood cell count; HGB, hemoglobin; HCT, hematocrit; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin; MCHC, mean corpuscular hemoglobin concentration; RDW-CV, red blood cell distribution width-coefficient of variation; RDW-SD, red blood cell distribution width-standard deviation; PLT, platelet count; MPV, mean platelet volume; PDW, platelet distribution width; PCT, plateletcrit.

Supplementary table 2: Serum biochemical parameters related to liver and kidney function in SD rats after 7 days of administration of different formulations

Num	Group	AST (U/L)	LDH (U/L)	CK (U/L)	ALT (U/L)	GGT (U/L)	ALP (U/L)	TBIL (μ mol/L)	DBIL (μ mol/L)	ALB (g/L)	BUN (mmol/L)	CRE2 (μ mol/L)
1	Blank	101.9	820	1481	32	3	242	2.0	0.8	13.0	3.86	25
2		59.8	753	416	38	4	305	4.0	1.4	18.0	4.52	22
3		157.3	496	591	51	2	79	2.5	2.3	11.5	8.10	31
4	Met-CDs @P407	194	1318	1219	65	2	389	2.0	0.8	10.7	7.47	27
5		114.6	588	958	19	2	158	3.1	2.2	15.2	5.37	29
6		152.3	719	1068	52	2	259	0.7	0.8	9.8	6.19	38
7	Met@P407	219.8	1493	631	59	1	350	2.1	0.7	12.4	11.00	24
8		108.6	1029	1152	44	5	152	2.5	1.0	15.2	5.50	29
9		180.0	805	1319	34	2	231	3.0	1.5	13.5	8.10	35
10	Mino- cycline	97.6	1154	1528	47	3	316	2.2	0.7	13.6	8.60	25
11		141.3	1304	466	29	3	262	2.0	1.9	13.0	5.35	27
12		129.1	612	829	36	2	205	1.7	2.1	11.9	6.81	42

Abbreviations: Num, rat identification number; Group, experimental grouping; AST, aspartate aminotransferase; LDH, lactate dehydrogenase; CK, creatine kinase; ALT, alanine aminotransferase; GGT, gamma-glutamyl transferase; ALP, alkaline phosphatase; TBIL, total bilirubin; DBIL, direct bilirubin; ALB, albumin; BUN, blood urea nitrogen; CRE2, creatinine.