

Supporting information S2

Small molecule HSP27 inhibitor abolishes androgen receptor in glioblastoma

Yaxin Li^a, Cody M. Orahoske^a, Werner J. Geldenhuys^b, Asmita Bhattarai^c, Abboud Sabbagh^a,

Viharika Bobba^a, Fatma M. Salem^a, Wenjing Zhang^a,

Girish C. Shukla^c, Justin D. Lathia^{dc}, Bingcheng Wang^e, Bin Su^{a*}

^a*Department of Chemistry, Center for Gene Regulation in Health and Disease, College of Sciences and Health Professions, Cleveland State University, 2121 Euclid Ave., Cleveland, OH, 44115, USA*

^b*Department of Pharmaceutical Sciences, School of Pharmacy, West Virginia University, Morgantown, WV, 26506, USA*

^c*Department of Biological, Geological, and Environmental Sciences, Center for Gene Regulation in Health and Disease, College of Sciences and Health Professions, Cleveland State University, 2121 Euclid Ave., Cleveland, OH, 44115, USA*

^d*Department of Molecular Medicine, Lerner Research Institute, Cleveland Clinic, and Case Comprehensive Cancer Center, Cleveland, OH, 44195, USA*

^e*Rammelkamp Center for Research and Department of Medicine, MetroHealth Campus, Case Comprehensive Cancer Center, Case Western Reserve University School of Medicine, Cleveland, OH, 44109, USA*

Table S1. Comparative hematology (Mean \pm SD) between different groups

Parameters	Group (n=4 per group)					Reference Range
	Control	C1	C2	C3	C4	

WBC (10 ³ /μL)	2.15±0.63	8.71±2.71	14.33±3.37	2.72±1.41	7.30±0.96	0.80-10.6
Neu (10 ³ /μL)	0.27±0.30	4.07±2.09	8.09±2.62	0.86±0.58	4.32±1.75	0.23-3.60
Lym (10 ³ /μL)	1.64±0.41	3.95±0.56	5.20±0.57	1.10±0.59	1.87±0.59	0.60-8.90
Mon (10 ³ /μL)	0.10±0.05	0.22±0.05	0.61±0.15	0.16±0.07	0.65±0.04	0.04-1.40
Eos (10 ³ /μL)	0.12±0.12	0.36±0.10	0.28±0.03	0.46±0.15	0.23±0.06	0.00-0.51
Bas (10 ³ /μL)	0.02±0.02	0.12±0.03	0.16±0.06	0.14±0.13	0.24±0.19	0.00-0.12
Neu (%)	12.43±3.34	44.65±9.19	55.90±5.09	29.67±7.53	58.00±16.41	6.50-50.0
Lym (%)	76.75±6.19	47.05±8.16	36.80±4.67	40.13±2.73	26.35±11.53	40.0-92.0
Mon (%)	4.75±1.44	2.55±0.33	4.20±0.14	6.17±1.03	8.95±0.64	0.90-18.0
Eos (%)	5.18±3.75	4.30±1.52	2.00±0.71	19.30±11.26	3.25±1.20	0.00-7.50
Bas (%)	0.90±0.70	1.45±0.25	1.10±0.14	4.73±1.71	3.45±3.04	0.00-1.50
RBC (10 ⁶ /μL)	7.24±2.08	7.64±0.64	7.59±1.21	9.41±2.10	8.33±0.13	6.80-12.00
HGB (g/dL)	13.10±3.13	13.96±0.60	13.50±2.12	17.47±3.43	15.40±0.28	10.5-19.0
HCT (%)	36.48±10.57	39.65±2.53	38.80±5.52	47.20±11.75	40.85±1.20	37.2-58.0
MCV (fL)	50.43±0.90	51.95±1.59	51.2±0.85	50.00±1.85	49.05±0.64	42.6-55.6
MCH (pg)	18.38±1.45	18.28±0.90	17.85±0.07	18.63±0.59	18.50±0.00	13.0-19.8
MCHC (g/dL)	36.45±2.61	35.18±1.07	34.85±0.49	37.30±2.19	37.70±0.57	26.0-37.9
RDW-CV (%)	12.58±0.46	13.78±0.37	13.40±0.71	17.50±1.75	14.40±0.14	11.1-21.1
PLT (10 ³ /μL)	180.3±191.8	983.8±392.1	977.5±419.3	551.3±101.9	1075±585.5	565-1849
MPV (fL)	5.70±0.22	5.95±0.24	6.15±0.07	6.47±0.31	7.40±0.28	3.6-6.8

*Reference ranges obtained from Heska hematology analyzer based on the age, sex of species