

## Supplementary Materials

# CM1, a Chrysin Derivative, Protects from Endotoxin-Induced Lethal Shock by Regulating the Excessive Activation of Inflammatory Responses

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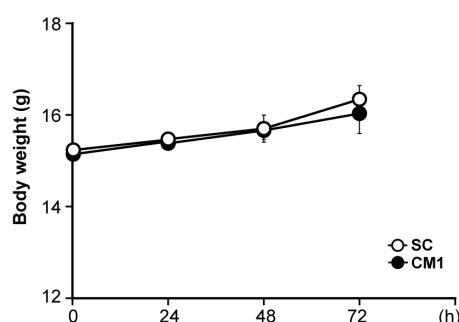
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## Supplemental Materials and methods

### Routine Blood Examination and Serum Biochemistry

After administration of solvent control or CM1, blood samples from each group were obtained on day 3. Routine blood examination was conducted using a blood analyzer (IDEXX, Procyte Dx, USA). Serum biochemistry were measured by a blood biochemistry analyzer (IDEXX, CatalystOne, USA).



**Figure S1. Monitoring of body weight in mice received with solvent control or CM1.** Mice (n = 5 per group) were intravenously injected with either vehicle control or CM1 (10 mg/kg) once daily for 3 days and the body weight then was monitored for 3 days. SC, solvent control.

**Table S1. Monitoring of hematology and serum biochemical markers in mice received with solvent control or CM1.** Mice (n = 5 per group) were intravenously injected with either vehicle con-

trol or CM1 (10 mg/kg) once daily for 3 days and the blood of mice then was collected. Hematology markers and serum biochemical markers were analyzed using a routine blood examination and clinical biochemistry examination, respectively. SC, solvent control; RBC, red blood cell; HCT, hematocrit value; HB, hemoglobin level; MCV, mean corpuscular volume; MCH, mean corpuscular hemoglobin; MCHC, mean corpuscular hemoglobin concentration; WBC, white blood cell.

Marker	SC	CM1	<i>p</i> -Value
<b>Hematology marker</b>			
RBC ( $\times 10^{12}/L$ )	8.24 $\pm$ 0.54	8.13 $\pm$ 0.53	0.78608
HCT (%)	40 $\pm$ 2.62	39.6 $\pm$ 2.24	0.848472
HB (g/dL)	12 $\pm$ 0.79	11.9 $\pm$ 0.72	0.856374
MCV (fL)	48.5 $\pm$ 0.57	48.7 $\pm$ 1.28	0.740693
MCH (pg)	14.5 $\pm$ 0.14	14.6 $\pm$ 0.19	0.523742
MCHC (g/dL)	29.9 $\pm$ 0.15	29.9 $\pm$ 0.44	0.933529
WBC ( $\times 10^9/L$ )	0.76 $\pm$ 0.12	0.61 $\pm$ 0.13	0.31308
Neutrophil (%)	3.13 $\pm$ 0.97	7 $\pm$ 2.32	0.097733
Lymphocyte (%)	71.4 $\pm$ 7.28	78.5 $\pm$ 5.12	0.326314
Monocyte (%)	16 $\pm$ 3.36	18.9 $\pm$ 6.4	0.677637
Basophil (%)	3.77 $\pm$ 0.66	4.8 $\pm$ 0.6	0.262215
<b>Serum biochemical marker</b>			
ALT (U/L)	65.3 $\pm$ 4.5	64.7 $\pm$ 0.94	0.847438
AST (U/L)	249.3 $\pm$ 39.6	229 $\pm$ 35.2	0.616322