

1 Supplementary Figures

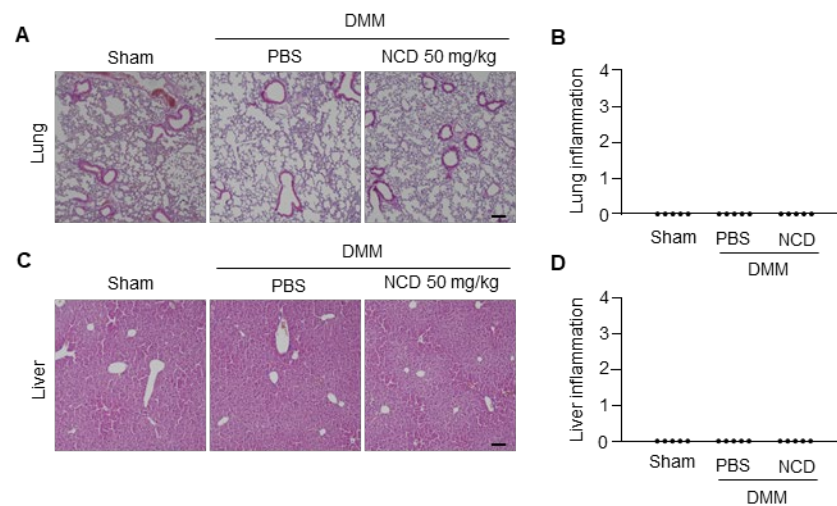


Figure S1. Evaluation of inflammation in lung and liver after NCD oral administration. (A-D) The lungs, and liver of the three groups (sham, DMM, and DMM+NCD 50 mg/kg) were stained to examine histological characteristics ($n = 5$ mice/group) to evaluate the inflammation caused by long-term oral administration of NCD. The images of the lung and liver were captured under the microscope at 100 \times . Scale bar = 100 μ m. Sham: control. Values were assessed using the Kruskal-Wallis and Dunn's tests.

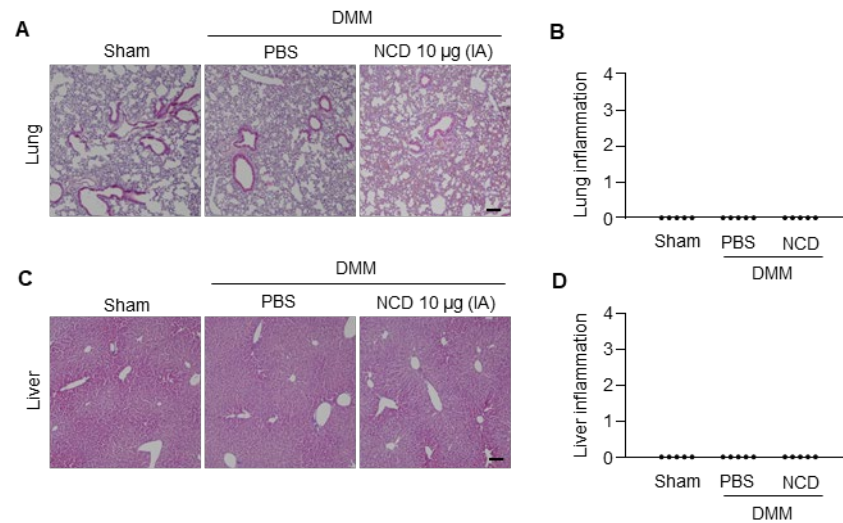


Figure S2. Evaluation of inflammation in lung and liver after intra articular injection of NCD. (A-D) The lungs, and liver of the three groups (sham, DMM, and DMM+NCD 50 µg) were stained to examine histological characteristics ($n = 5$ mice/group) to evaluate the inflammation caused by intra articular injection of NCD. The images of the lung and liver were captured under the microscope at 100 \times . Scale bar = 100 µm. Sham: control. Values were assessed using the Kruskal-Wallis and Dunn's tests. n.s., not significant.

16 **Supplementary table**

17 Table 1. Pharmacokinetic Parameters of NCD Following Intravenous Administration in SD Rats

NCD	Dose (mg/kg)		
	5	10	20
C_{max} (ng/ml)	1111.52	2559.25	4150.81
Half-life (hour)	0.41	0.59	0.76
AUC_{0-t} (ng·hr/mL)	631.83	1728.88	4526.66

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