



**Figure S1 .** Assessment for the cytotoxicity of bisacurone in a murine macrophage line. RAW264.7 cells were treated with 2, 10, or 50  $\mu$ M bisacurone and stimulated with 10 ng/mL of LPS for 24 hours. For assessment of cell viability, (A) the concentrations of lactate dehydrogenase in cell culture supernatants were measured using Cell Counting Kit-8 (DOJINDO LABORATORIES, Japan). (B) The cells were harvested and stained with 7-Amino-Actinomycin D (7AAD) for FACS analysis. Data represent the mean  $\pm$  SEM. Ordinary one-way ANOVA, Tukey's multiple comparisons test. Bisa: bisacurone

**Table S1. Composition of diets used in this study\*.**

	Control diet (CE-2)		High fat diet (Quick fat)	
Ingredients	gm%	kcal%	gm%	kcal%
Moisture (%)	8.88	0	6.80	0
Crude protein (%)	25.05	29	24.35	24
Crude fat (%)	4.77	12	13.80	30
Crude fiber (%)	4.44	0	3.00	0
Crude ash(%)	7.04	0	5.75	0
NFE (%)	49.82	59	46.30	46
Energy (kcal/100g)	342.4		406.80	
Ingredients				
Protein	whitefish meal, soybean meal, yeast		soybean meal, whitefish meal, casein, yeast	
Fat	cereal germ, soybean oil		animal fat and oil (beef tallow), cereal germ	
Carbohydrates	wheat flour, corn, milo		wheat flour, corn, millet	

\*Data from URL of CLEA Japan, Inc.

[https://www.clea-japan.com/en/products/general\\_diet/item\\_d0030](https://www.clea-japan.com/en/products/general_diet/item_d0030)

[https://www.clea-japan.com/en/products/general\\_diet/item\\_d0070](https://www.clea-japan.com/en/products/general_diet/item_d0070)