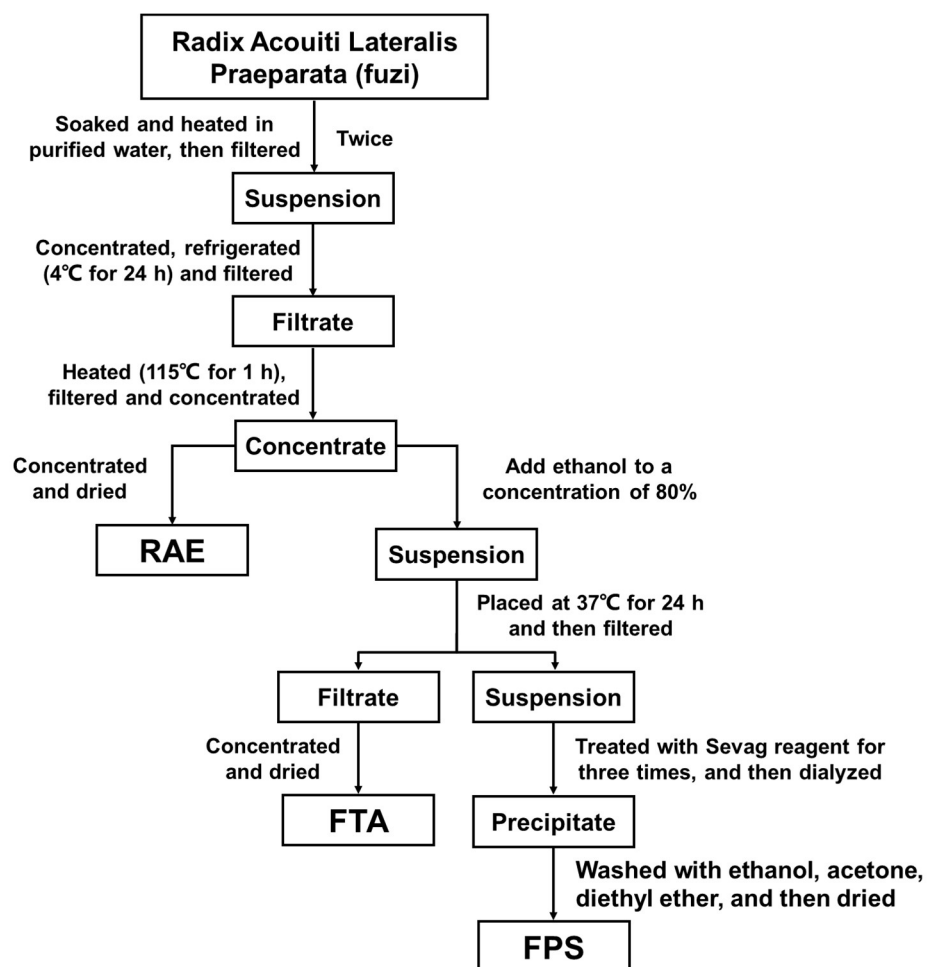




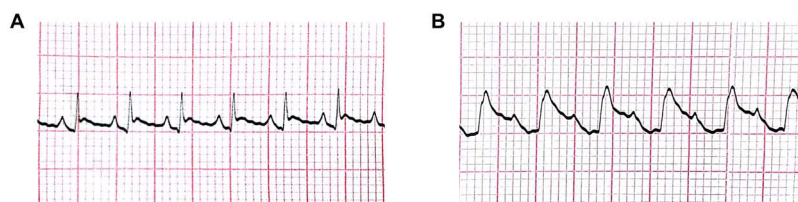
Supplementary Material

Anti-myocardial Infarction Effects of Radix Aconiti Lateralis Preparata extracts and their Influence on Small Molecules in the Heart using Matrix-assisted Laser Desorption/Ionization–Mass Spectrometry Imaging

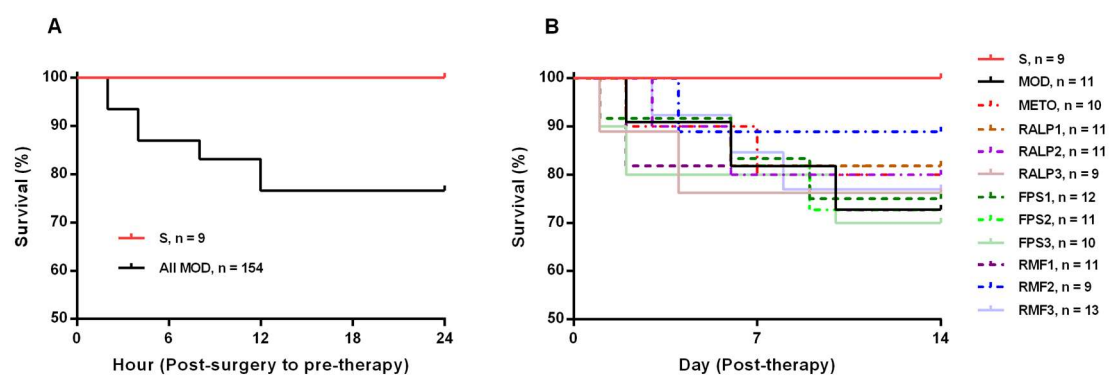
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Supplementary Figure S1. Work flow of the Radix Aconiti Lateralis Preparata processing



Supplementary Figure S2. Electrocardiograms of rats. (A) Normal electrocardiogram (50 mm/s; 10 mm/mV). (B) Myocardial infarction electrocardiogram (50 mm/s; 10 mm/mV).



Supplementary Figure S3. Effect of RAE, FPS, and FTA on the survival of the rats with myocardial infarction. (A) Post-surgery to pre-therapy survival curve. (B) Post-therapy survival curve. S, sham surgery group; MOD, model group; METO, metoprolol-treated group; RAE1/2/3, 1.6/0.8/0.4 g/kg Radix Aconiti Lateralis Preparata extract groups; FPS1/2/3, 1.6/0.8/0.4 g/kg fuji polysaccharides groups; FTA1/2/3, 1.6/0.8/0.4 g/kg fuji total alkaloid groups.

Supplementary Table S1. Animal grouping and extracts administration

Groups	Drug treatment	Administration dose (g/kg)	Total numbers of rats	Survival numbers of rats before sacrifice
S	N.S. ¹	10 mL/kg	9	9
MOD	N.S.	10 mL/kg	11	8
METO	Metoprolol	1.5 mg/kg	10	8
RAE1	RAE ²	1.6	11	9
RAE2	RAE	0.8	11	9
RAE3	RAE	0.4	9	7
FPS1	FPS ³	1.6	12	9
FPS2	FPS	0.8	11	8
FPS3	FPS	0.4	10	7
FTA1	FTA ⁴	1.6	11	8
FTA2	FTA	0.8	9	8
FTA3	FTA	0.4	13	10

¹ N.S., normal saline.

² RAE, radix Aconiti Lateralis Preparata extract.

³ FPS, fuzi polysaccharides.

⁴ FTA, fuzi total alkaloid.