



Supplemental Figure S1. Pharmacokinetic studies. (a) Comparison of intravenous and intraperitoneal bolus dosing of AER-271. (b) Drug levels with intraperitoneal loading bolus and subcutaneous continuous osmotic infusion pump. Mean \pm standard error of the mean.

236x88mm (300 x 300 DPI)

Supplemental Table S1. Physiologic data and serum chemistry

	CA-Vehicle				CA-AER-271			
	Baseline	10-min	30-min	60-min	Baseline	10-min	30-min	60-min
Heart rate (bpm)	360 ± 6	352 ± 15	383 ± 9	348 ± 6	367 ± 6	362 ± 5	398 ± 10	353 ± 6
MAP (mmHg)	65 ± 1	80 ± 2	52 ± 2	50 ± 1	66 ± 2	77 ± 2	51 ± 1	51 ± 1
Temperature (°C)	37.3 ± 0.0	37.1 ± 0.1	37.2 ± 0.0	37.1 ± 0.0	37.2 ± 0.0	37.0 ± 0.1	37.2 ± 0.0	37.2 ± 0.0
End-tidal CO₂ (mmHg)	37 ± 0	34 ± 1	35 ± 1	36 ± 1	37 ± 0	36 ± 1	35 ± 1	36 ± 1
pH	7.38 ± 0.01	7.36 ± 0.02	7.47 ± 0.01	7.48 ± 0.01	7.38 ± 0.01	7.36 ± 0.01	7.49 ± 0.01	7.46 ± 0.01
Lactate (mmol/L)	2.2 ± 0.1	8.9 ± 0.1	4.0 ± 0.2	1.3 ± 0.1	2.4 ± 0.2	9.4 ± 0.1	5.9 ± 2.1	1.5 ± 0.1
Osmolarity (mmol/kg)	286 ± 1	306 ± 1	299 ± 1	297 ± 1	287 ± 1	307 ± 1	300 ± 1	298 ± 1
Sodium (mmol/L)	138 ± 0	147 ± 0	146 ± 0	144 ± 0	138 ± 0	148 ± 0	145 ± 0	144 ± 0
Potassium (mmol/L)	4.9 ± 0.1	4.2 ± 0.1	4.0 ± 0.1	4.0 ± 0.1	4.9 ± 0.1	4.4 ± 0.1	4.2 ± 0.1	4.3 ± 0.1
Glucose (mg/dL)	197 ± 6	208 ± 4	157 ± 3	178 ± 4	195 ± 4	206 ± 4	162 ± 5	182 ± 6
Hematocrit (%)	27.0 ± 0.3	27.7 ± 0.4	27.2 ± 0.4	25.3 ± 0.5	26.9 ± 0.4	27.2 ± 0.4	27.3 ± 0.4	25.8 ± 0.4

Mean ± SEM

Abbreviations: CA, cardiac arrest; MAP, mean arterial pressure; SEM, standard error of the mean