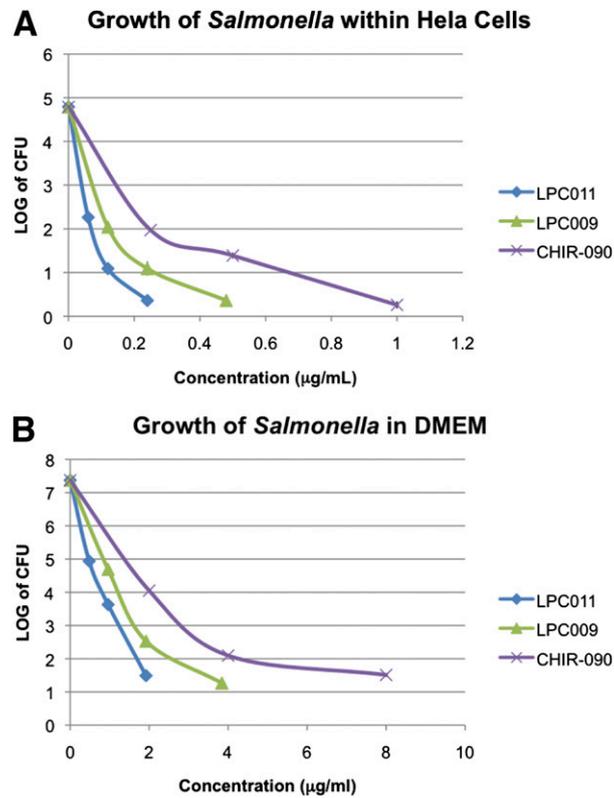
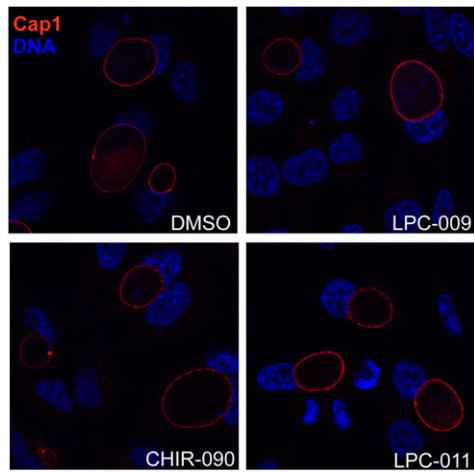


# Supporting Information

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**Fig. S1.** LpxC inhibitors restrict the growth of intracellular bacteria. (A) HeLa cells were infected with *S. Typhimurium* SMO22 and incubated in media containing increasing concentrations of LpxC inhibitors and 25  $\mu\text{g/mL}$  of gentamicin to inhibit growth of extracellular bacteria. Bacteria were harvested from infected cells, and the number of CFUs present determined on agar plates. To directly compare the sensitivity of extracellular *S. Typhimurium*, bacteria were incubated in DMEM at 37 °C and 5%  $\text{CO}_2$  with or without LpxC inhibitors (B). The number of surviving CFUs was determined on LB agar plates at appropriate dilutions. All experiments were performed in triplicate. Methods: SMO22 was grown in LB broth without agitation at 37 °C to an  $\text{OD}_{600}$  of 0.5. Bacteria were washed in PBS and diluted in DMEM/10% FBS. Confluent monolayers of HeLa cells were infected with SMO22 at a multiplicity of infection (MOI) of ~20 followed by incubation at 37 °C for 10 min. After extensive washes with PBS, gentamicin (100  $\mu\text{g/mL}$ ) was added for 2 h to kill extracellular bacteria. Media supplemented with 25  $\mu\text{g/mL}$  gentamicin and the indicated LpxC inhibitors was then added, and the infected cells were incubated for 24 h in a 37 °C/5%  $\text{CO}_2$ -humidified incubator. Intracellular bacteria were lysed with 1% Triton X-100/PBS, and the number of CFUs was determined on LB-agar plates. In parallel, the minimal inhibitory concentrations (MIC) for SMO22 were determined by treatment with LpxC inhibitors diluted in DMEM/10% FBS for 24 h at 37 °C and 5%  $\text{CO}_2$ . All assays were completed in triplicate.



**Fig. S2.** LpxC inhibitors do not disrupt inclusion membrane integrity. HeLa cells were infected with *C. trachomatis* at MOI of 1 in media containing DMSO only, 10  $\mu\text{g}/\text{mL}$  of ampicillin, 16  $\mu\text{g}/\text{mL}$  of CHIR-090, 1.92  $\mu\text{g}/\text{mL}$  of LPC-009, or 1.92  $\mu\text{g}/\text{mL}$  of LPC-011. At 36 hpi, cells were fixed, permeabilized in 0.1% Triton X-100, and immunolabeled with anti-Cap1 (Alexa 555) and anti-MOMP (Alexa 488) antibodies.



