

Supporting Information for

## Understanding the Dark and Light-enhanced Bactericidal Action of Cationic Conjugated Polyelectrolytes and Oligomers

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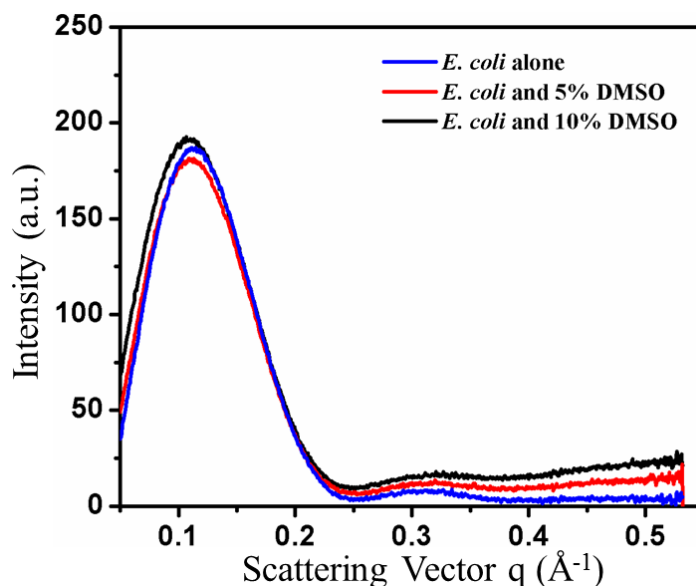


Figure S1. SAXS data for *E. coli* total lipid (12.5 mg/ml) model membranes alone and incubated with DMSO.

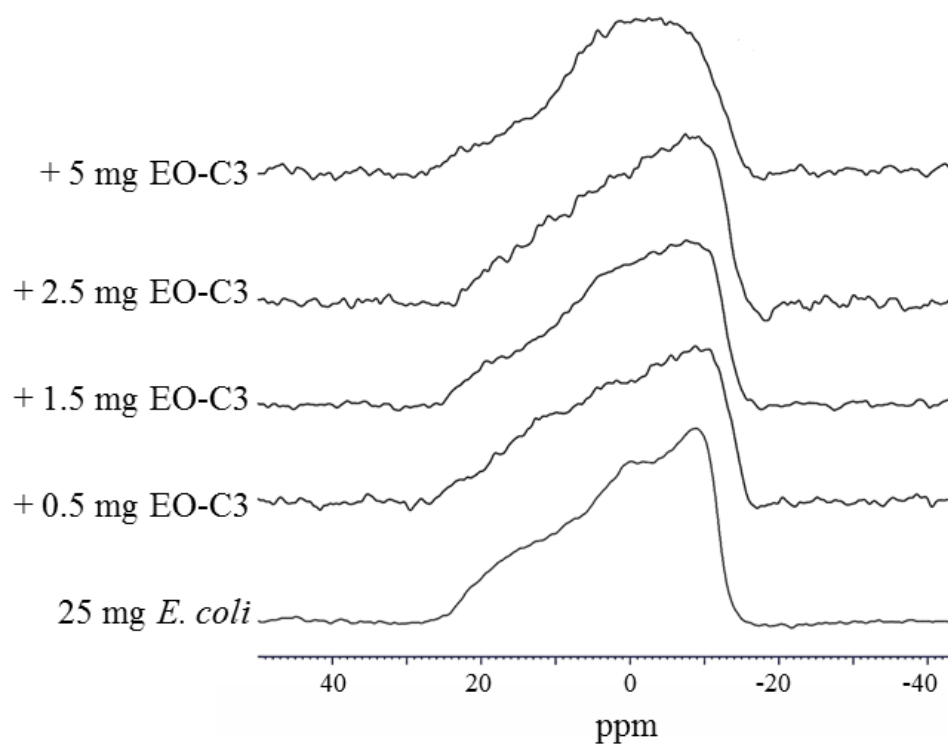


Figure S2.  $^{31}\text{P}$  SS-NMR spectra of 25 mg model membranes made by *E. coli* lipid extracts mixed with various amounts of EO-OPE-1(C3).

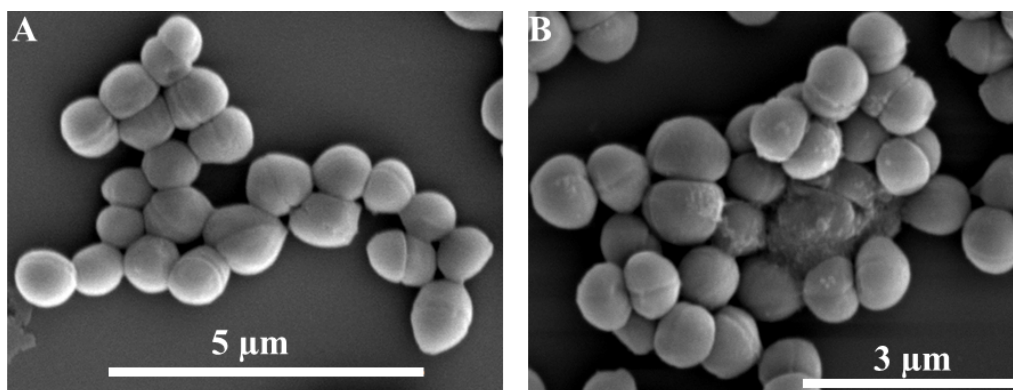


Figure S3. SEM micrographs of *S.epi* (ATCC 14990) cells ( $10^8$  CFU/ml) alone (A), incubated with  $10\ \mu\text{g/ml}$  PPE-DABCO (B) under UV-420 irradiation for 60 min.