Supporting Information

BODIPY-based Macromolecular Photosensitizer with Cation Enhanced Antibacterial Activity

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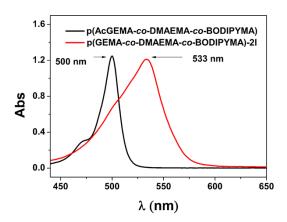


Fig. S1 Absorption spectra of p(AcGEMA-*co*-DMAEMA-*co*-BODIPYMA) and p(GEMA-*co*-DMAEMA-*co*-BODIPYMA)-2I. CH₂Cl₂ and H₂O were used as solvent respectively.

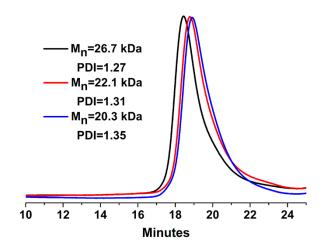


Fig. S2 GPC profiles of p(AcGEMA-co-DMAEMA-co-BODIPYMA). THF as an

eluent and polystyrene as a calibration standard.

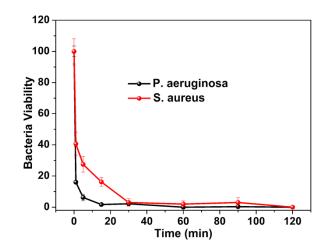


Fig. S3 The effect of illumination time on antibacterial activity.

Samples	MIC (nmol/mL)		Cell viability
	Gram-positive bacteria	Gram-negative bacteria	(100 nmol/mL)
P1	5	2.5	~100
P2	0.3	0.3	>80%
Р3	0.3	0.3	~60
Reported data	0.31	1.25	>50%

Table S1. MIC and cell viability comparison of P1, P2 and P3 with the reported data.

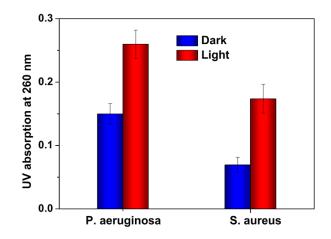


Fig. S4 Absorption at 260 nm of S. aureus and P. aeruginosa under dark and light.