

α -Cyclodextrins Polyrotaxane Loading Sliver Sulfadiazine

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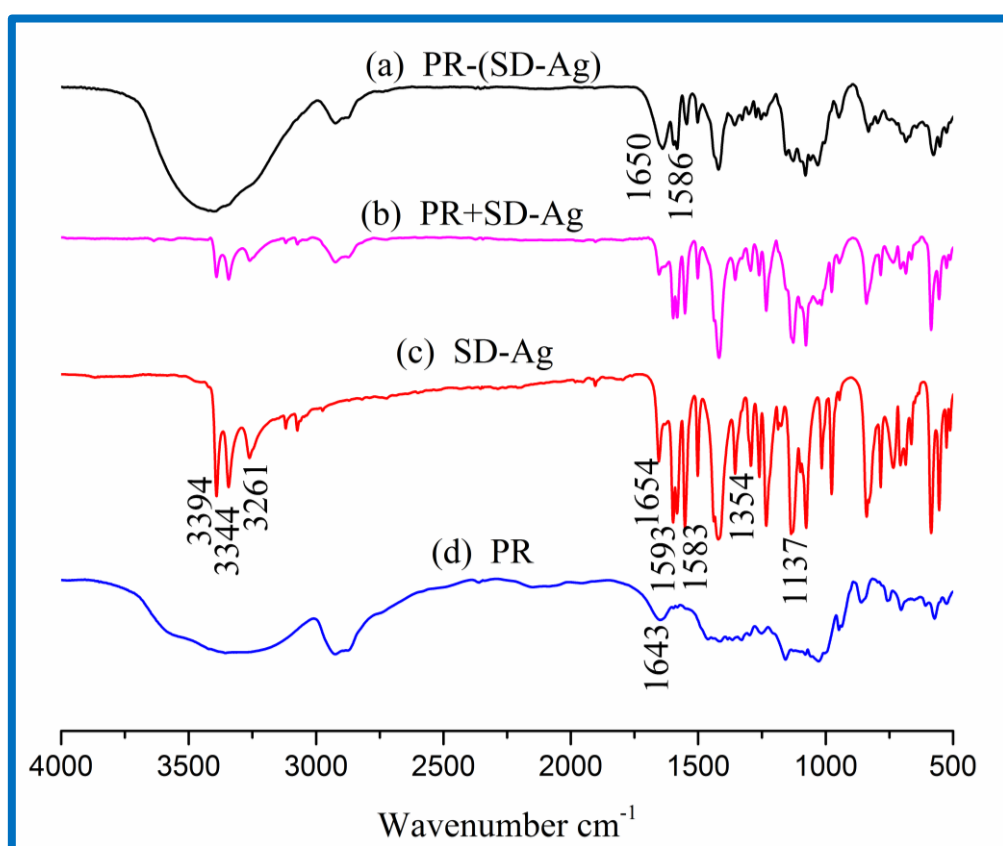


Figure S1. The FTIR spectra of PR, SD-Ag, PR+SD-Ag and PR-(SD-Ag).

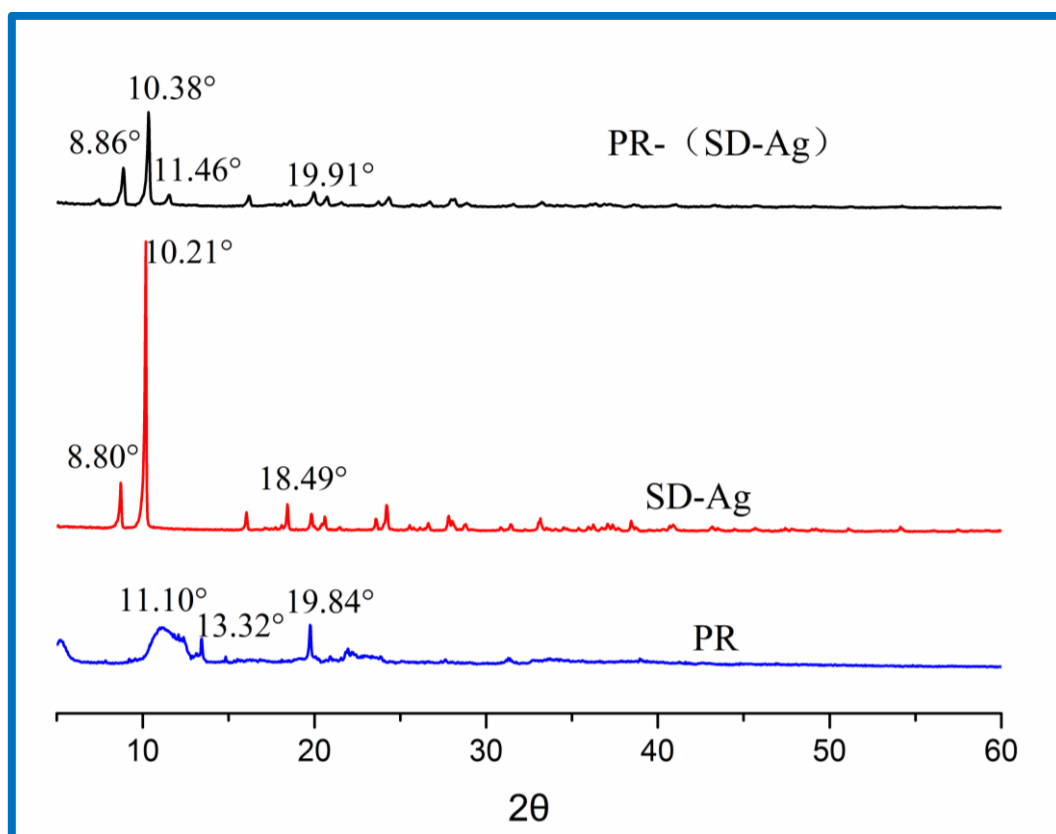


Figure S2 The XRD patterns of PR-(SD-Ag), SD-Ag and PR.

Table S1 Antibacterial rate of PR_{1 t-} (SD-Ag) and PR_{2 t-} (SD-Ag) on E.coli and S.aureus.

Samples	PR/SD-Ag 1:1		PR/SD-Ag 1.5:1		PR/SD-Ag 2:1	
	P(%)	P(%)	P(%)	P(%)	P(%)	P(%)
	E.coli	S.aureus	E.coli	S.aureus	E.coli	S.aureus
PR _{1 1h-} (SD-Ag)	98.5	98.5	98.3	98.4	98.2	98.1
PR _{1 24h-} (SD-Ag)	98.9	98.8	98.6	98.6	98.4	98.3
PR _{1 48h-} (SD-Ag)	99.1	99.2	98.9	98.9	98.7	98.6
PR _{2 1h-} (SD-Ag)	99.1	98.9	98.8	98.6	98.6	98.4
PR _{2 24h-} (SD-Ag)	99.5	99.1	99.1	98.9	98.9	98.7
PR _{2 48h-} (SD-Ag)	99.9	99.6	99.5	99.3	99.2	99.1



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