

Article

Microwave-Assisted Synthesis of Amikacin Modified N,S co-Doped Carbon Dots for *Escherichia Coli* Detection

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Table S1. Synthesis of N,S-CDs.

Material	Content of Thiourea (%)	Mass of Citric Acid (g)	Mass of Thiourea (g)
N,S-CDs 0%	0	0.3	0
N,S-CDs 10%	10	0.3	0.030
N,S-CDs 25%	25	0.3	0.075
N,S-CDs 50%	50	0.3	0.150
N,S-CDs 75%	75	0.3	0.225
N,S-CDs 100%	100	0.3	0.300

Table S2. Synthesis of amikacin modified N,S-CDs.

Material	Mass of Amikacin (g)	Mass of Citric Acid (g)	Mass of Thiourea (g)
12.5 mg amikacin modified N,S-CDs	12.5	0.3	0.15
25.0 mg amikacin modified N,S-CDs	25	0.3	0.15
50.0 mg amikacin modified N,S-CDs	50	0.3	0.15
75.0 mg amikacin modified N,S-CDs	75	0.3	0.15

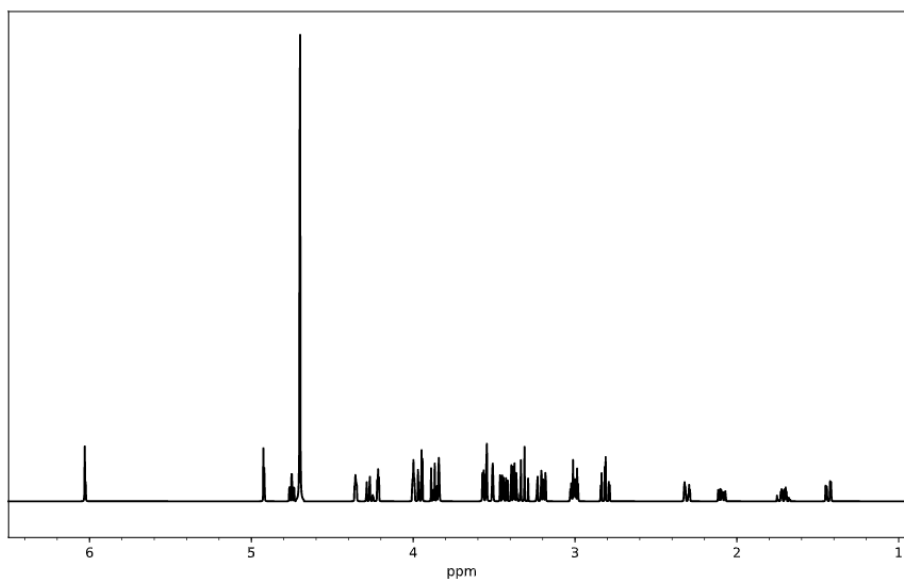


Figure S1. ^1H NMR of Amikacin.

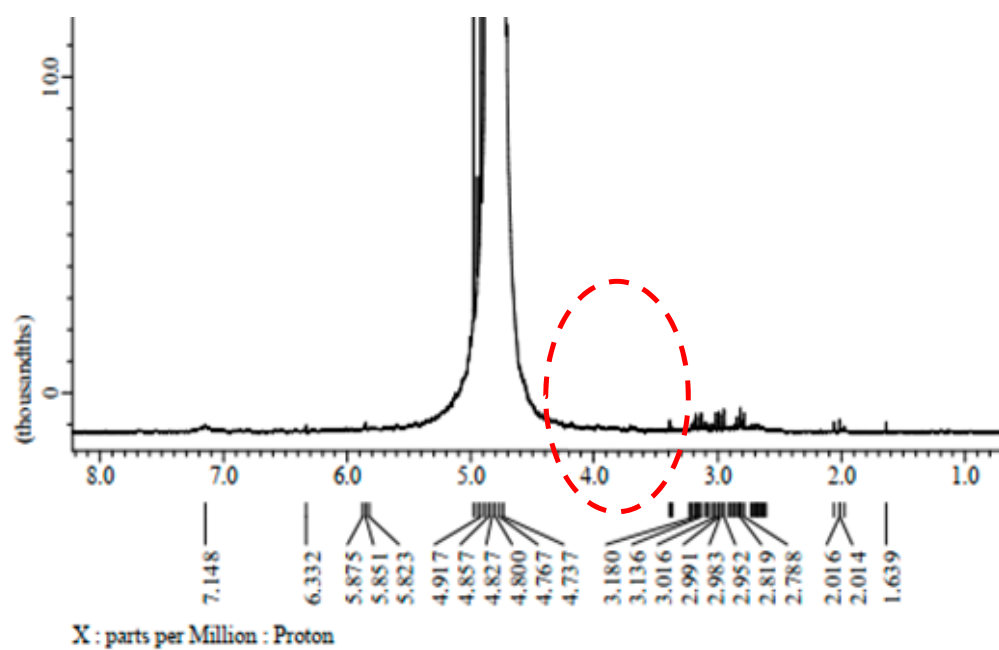


Figure 2. ^1H NMR of N,S-CDs.

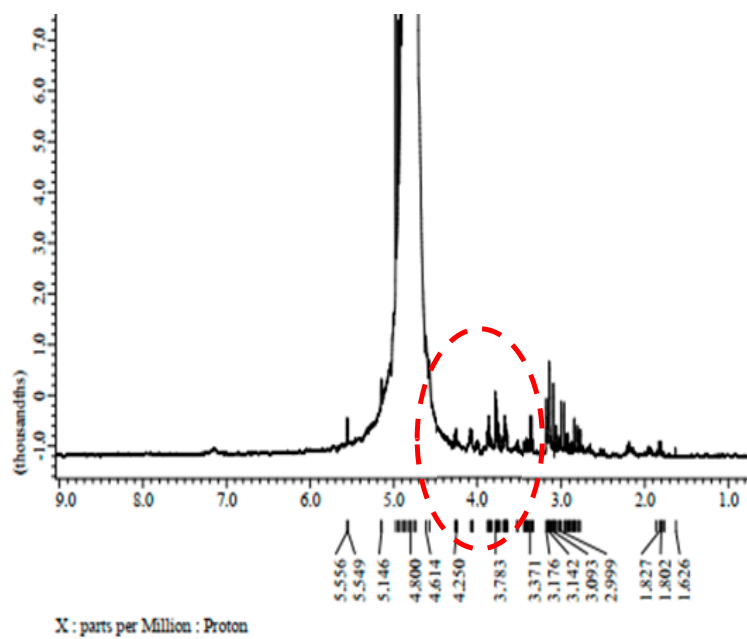


Figure S3. ^1H NMR of amikacin modified N,S-CDs.