**Supplementary Section**

**Synthesis of chitosan-stabilized copper nanoparticles (CS-Cu NPs): Its catalytic activity for C-N and C-O cross-coupling reactions and treatment of bladder cancer**

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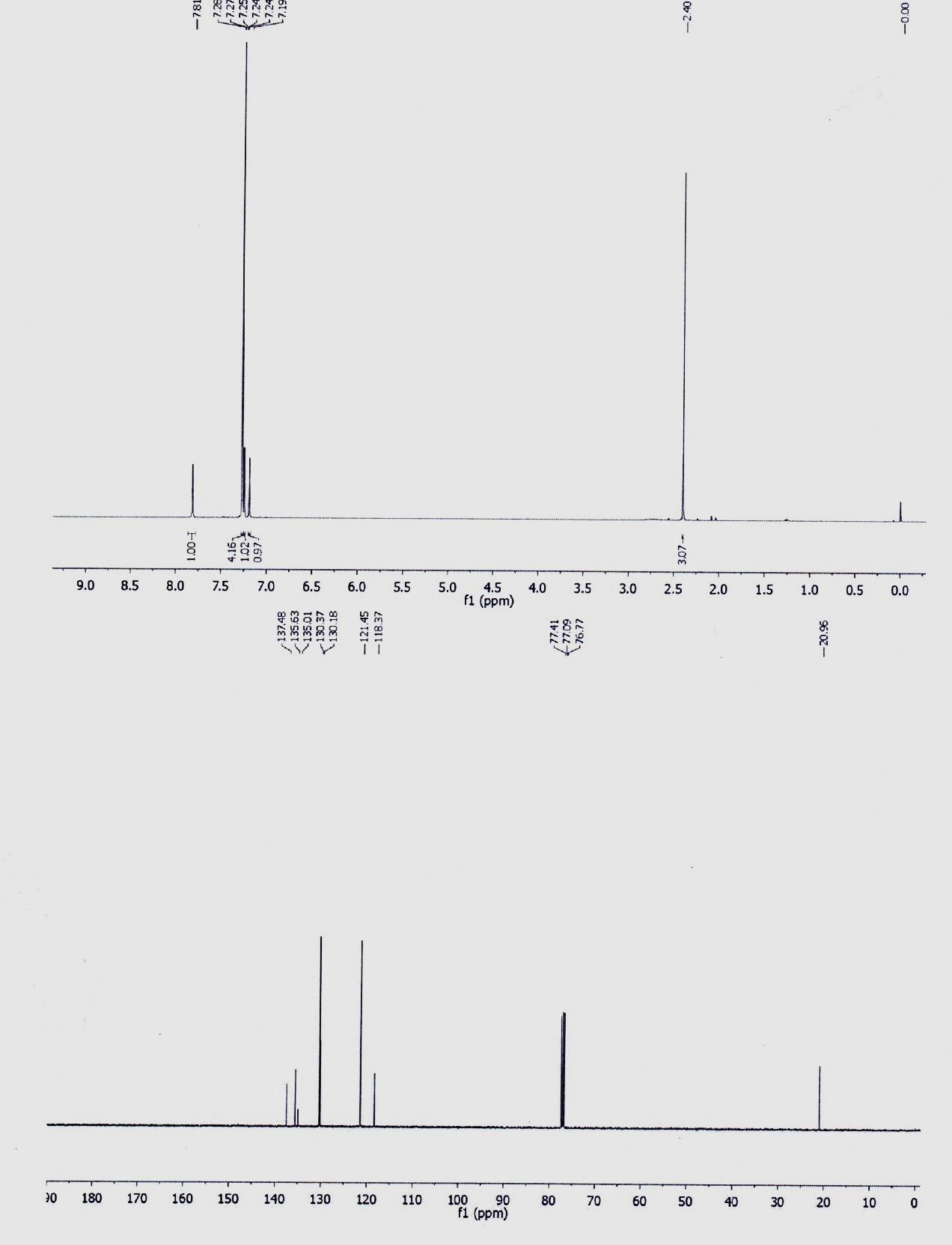
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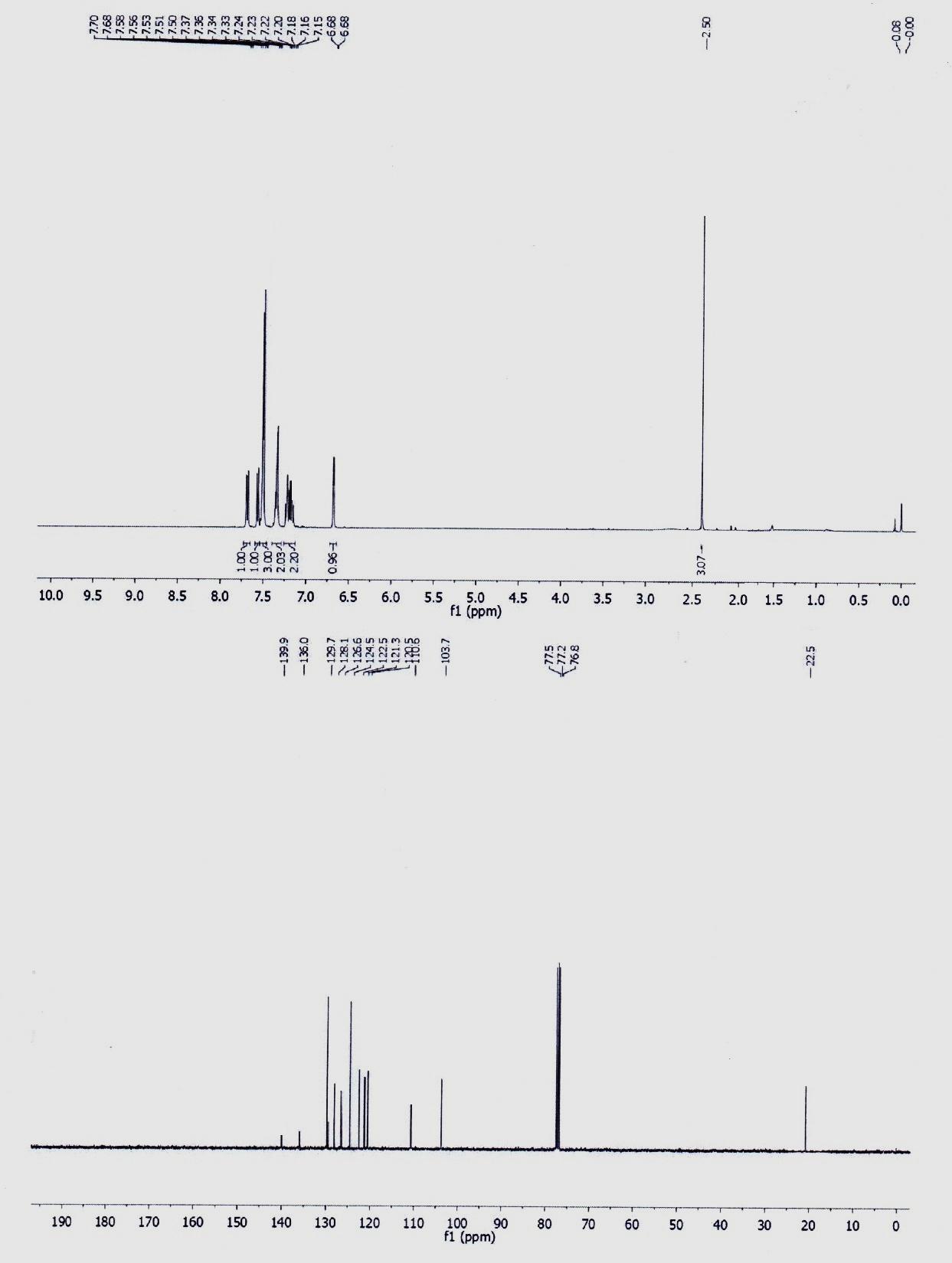
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**1H-NMR and 13C-NMR for selected products**

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