

# Electronic Supplementary Information

Facile and controlled synthesis of stable water-soluble cupric sulfide quantum dots for significantly inhibiting proliferation of human cancer cells

## Materials and methods

### Synthesis of precursor

### Synthesis of amorphous CuS QDs

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°C

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### Synthesis of crystalline CuS QDs

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### Characterization

### Cell culture

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°C

### Treatment of HeLa, Hep G2,s180 and V79 Cells with amorphous and crystalline CuS QDs

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°C

### **MTT colorimetric assay**

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### **Flow cytometric analysis of apoptosis**

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°C

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### **Measurement of apoptosis using confocal laser scanning microscopy**

°C

### **Results**

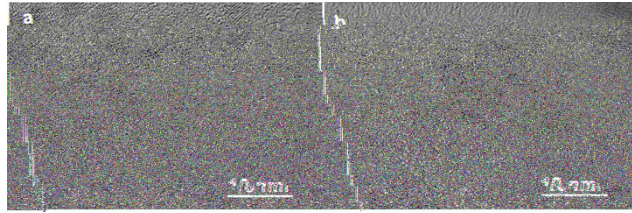


Fig. S1

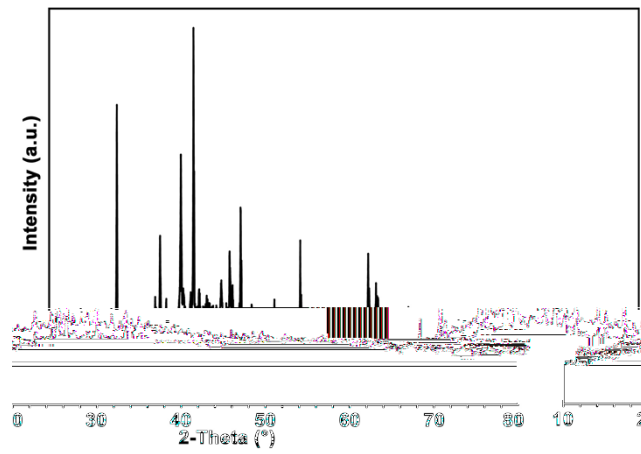


Fig. S2

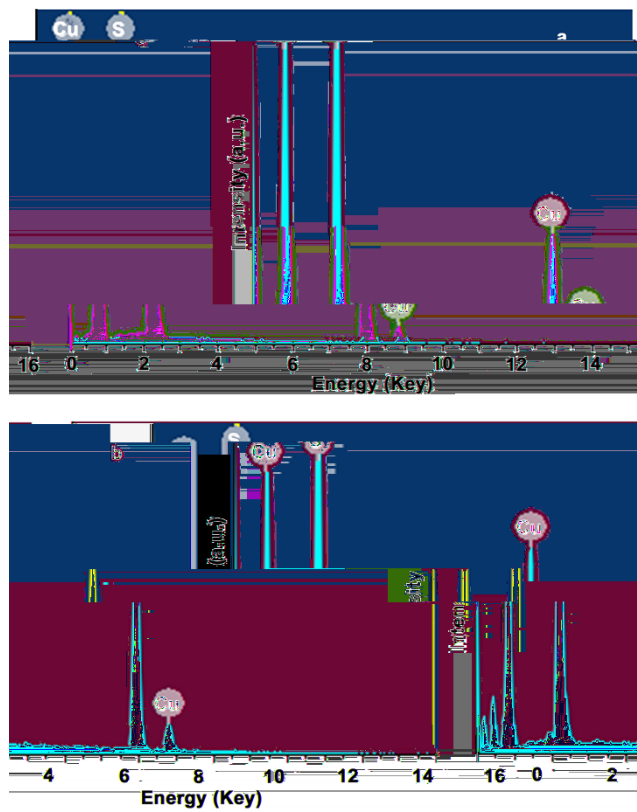


Fig. S3