Synthesis, characterization of quantum dots and their application as laser soft desorption/ionization for labile metallodrug analysis: Antibacterial Activity

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Fig. S1: LDI-MS spectra of (A) ponstel drug, (B) Cu(II) complex, and (C) Fe(III) complex.

Fig. S2: MALDI-MS spectra using 2,5-DHB matrix. (A) ponstel drug, (B) Cu(II) complex, (C) Fe(III) complex.

Fig. S3: QALDI-MS spectra of Fe(III)-Ponstel complex. Structure and peaks assignments are recorded in the inset.

Fig. S4: Biological assay at 24h for Pseudomonas aeruginosa.

Fig. S5: Biological assay at 24h for Staphylococcus aureus.
Abundance

\[ \text{Fe(M-H)}^3 + \text{H}^+ \]

Figure S3
m/z | Assignment
---|---
242.1 | [M+H] +
224.3 | [(M-H)_2O]+H
265.1 | [M+Na] +
281.1 | [M+Na] +
483.2 | [2M+H] +
465.0 | [2M-H]_2O+H
137.0 | [2-Aminobenzoic acid+H]
543.0 | [^{63}Cu(M-H)]_2+H
528.0 | [^{63}Cu(M-H)-CH_3]+H
777.0 | [^{56}Fe(M-H)]_3+H

Table S1: Observed mass peaks of ponstel drug, Cu(II), and Fe(III) complexes with the relevant assignments.