

## Supporting Information

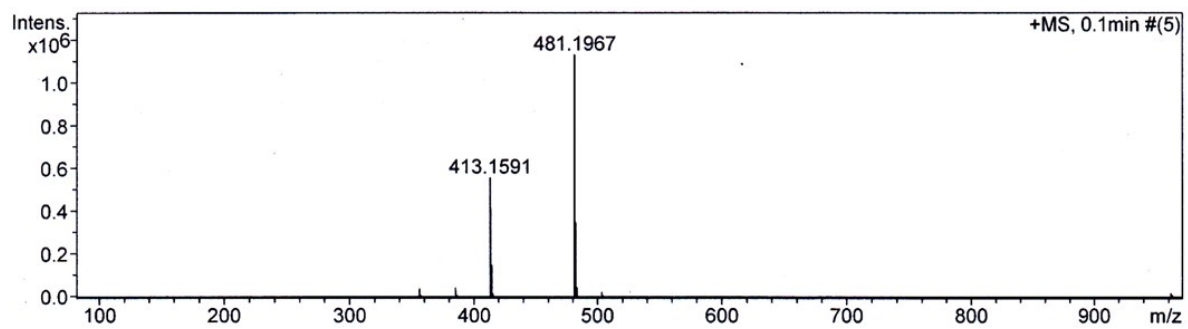
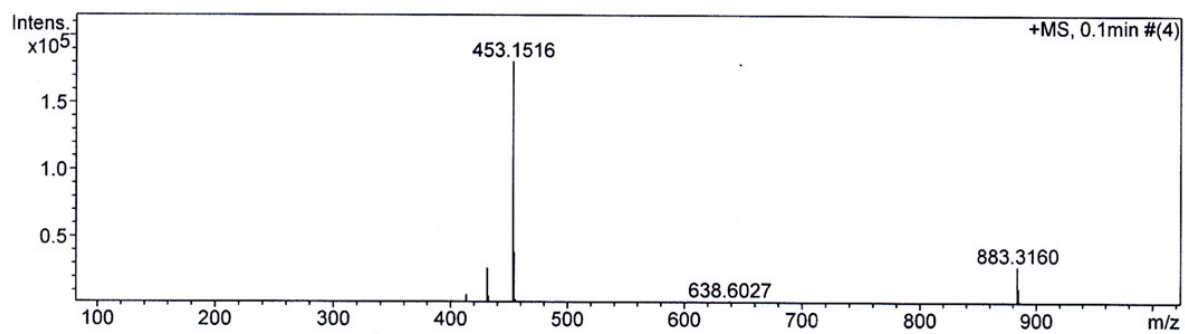
### **Imidazole-modified Deferasirox Encapsulated Polymeric Micelles as pH-responsive Iron-Chelating Nanocarrier for Cancer chemotherapy**

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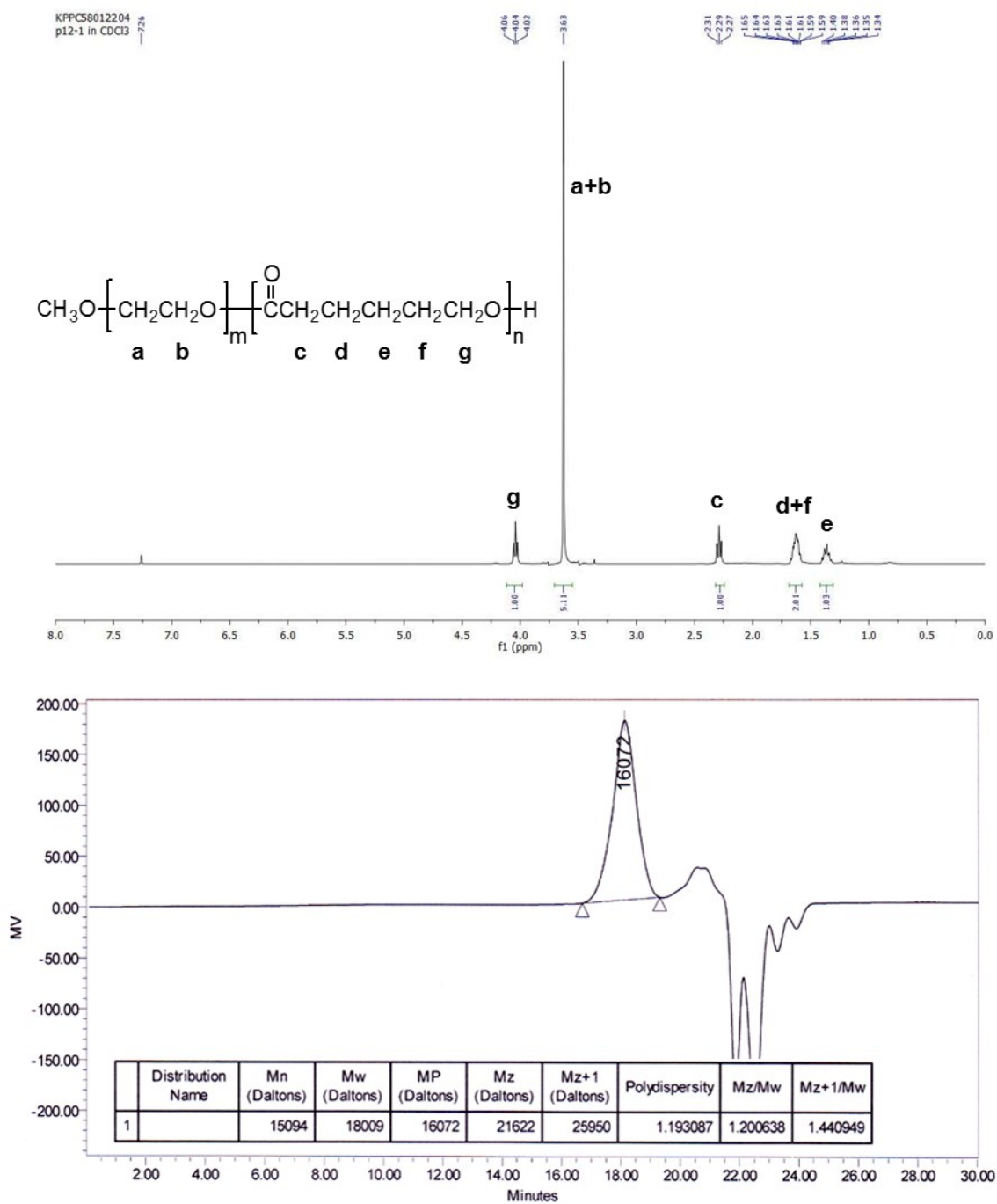
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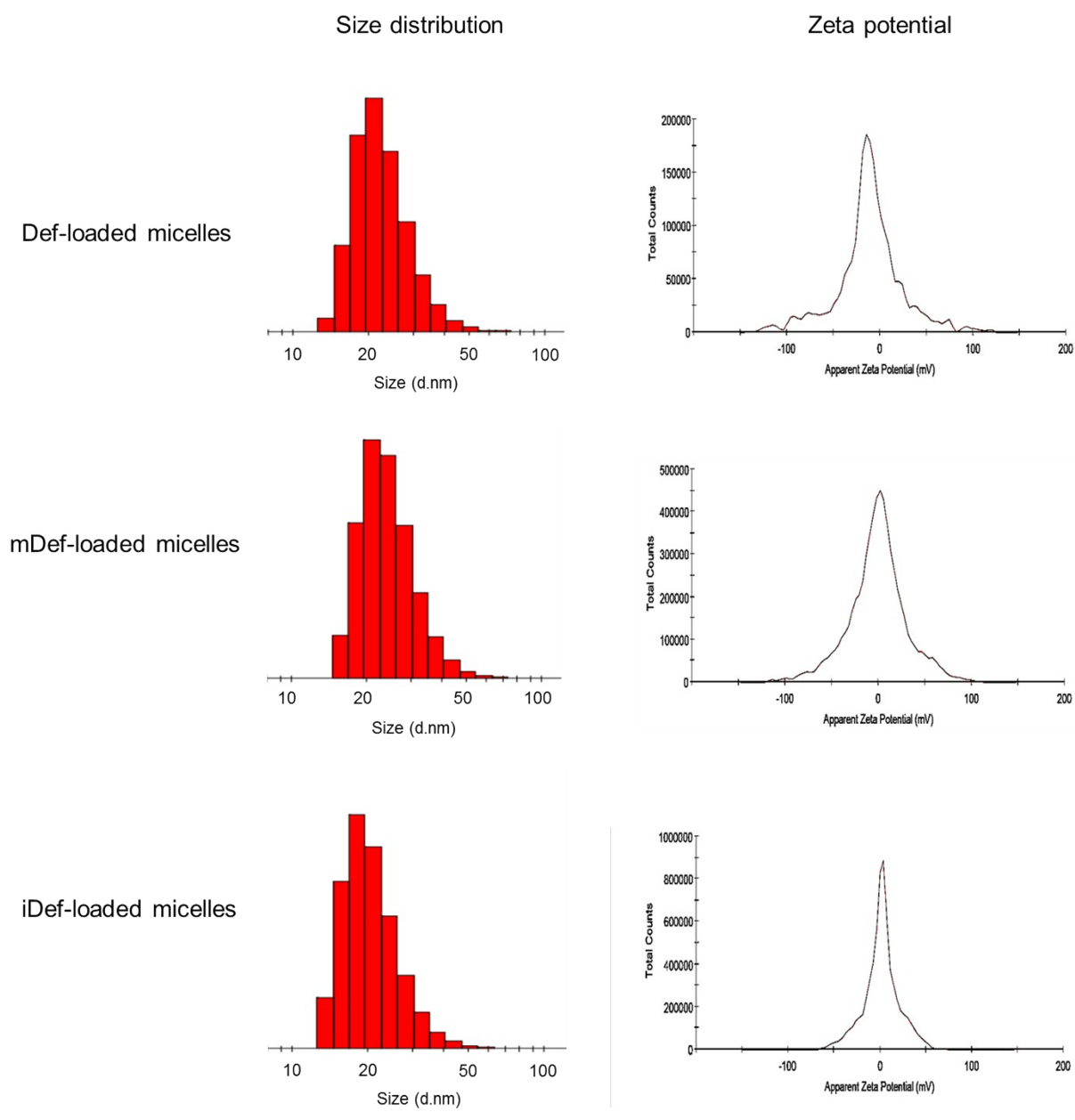
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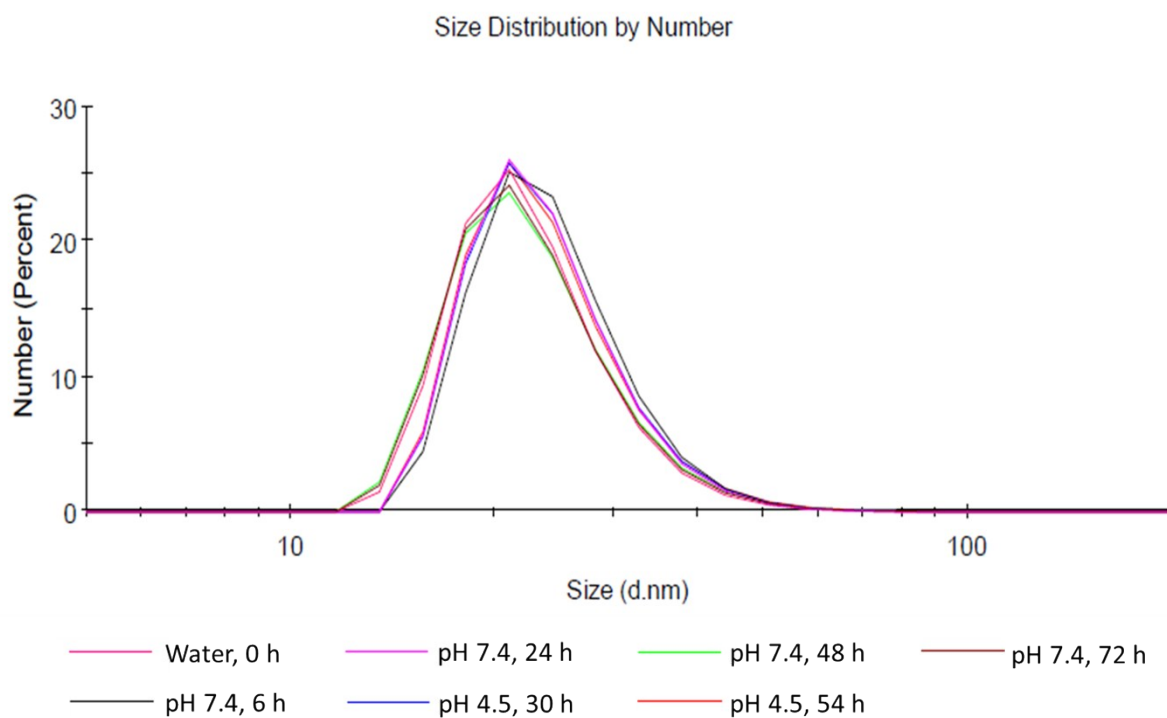
**Fig. S1** Mass spectrum of mDef. ESI-MS calcd for  $C_{24}H_{22}N_4O_4$   $[M]^+$ : 430.16; obsd: 453.15  $[M+Na]^+$  (above) and mass spectrum of iDef. ESI-MS calcd for  $C_{27}H_{24}N_6O_3$   $[M]^+$ : 480.19; obsd: 481.20  $[M+H]^+$  (below).



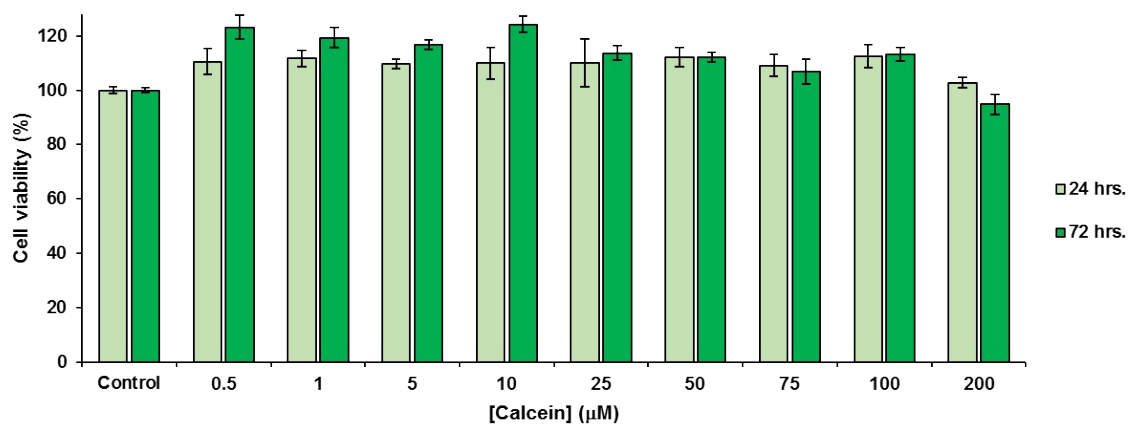
**Fig. S2** <sup>1</sup>H-NMR spectrum of PEG-*b*-PCL (above) and GPC using PS standard (below).



**Fig. S3** Size distribution and zeta potential of Def-, mDef- and iDef-loaded micelles determined by Dynamic Light Scattering.



**Fig. S4** Size distribution profile of imidazole-modified deferasirox micelles during switching of pH between 7.4 and 4.5.



**Fig. S5** Cytotoxicity of calcein against HepG2 cells.