Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

Supporting information

A colorimetric and ratiometric fluorescent probe for ClO^- targeting on mitochondria and the application in *vivo*

Hongde Xiao[a], Jianhui Li[b], Jin Zhao[a], Gui Yin[a,c*], Yiwu Quan[a], Jie Wang[a] and Ruiyong Wang[b*]

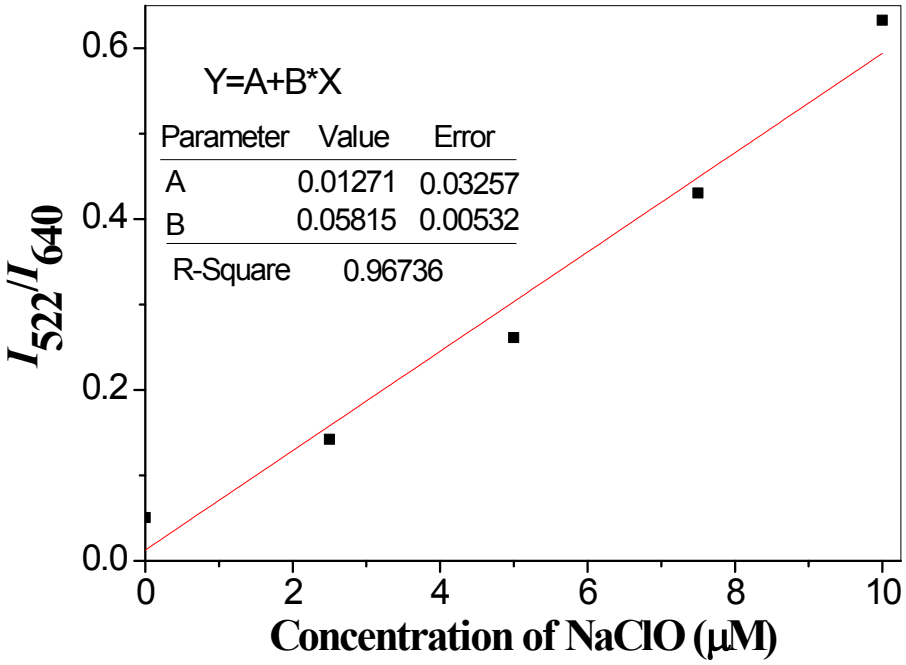


Fig. S1 The linear fitting of I_{522nm}/I_{640nm} with the concentration of ClO^-

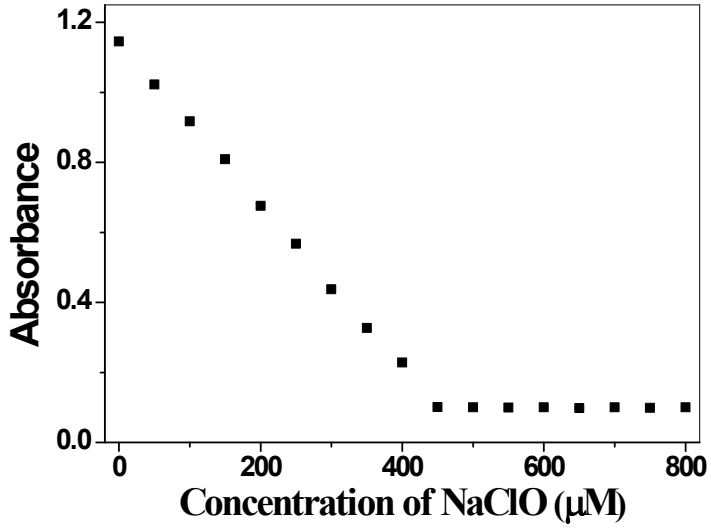


Fig. S2 Absorption intensities of the probe PMN–TPP (100 μM) upon addition of ClO^- (0–800 μM)

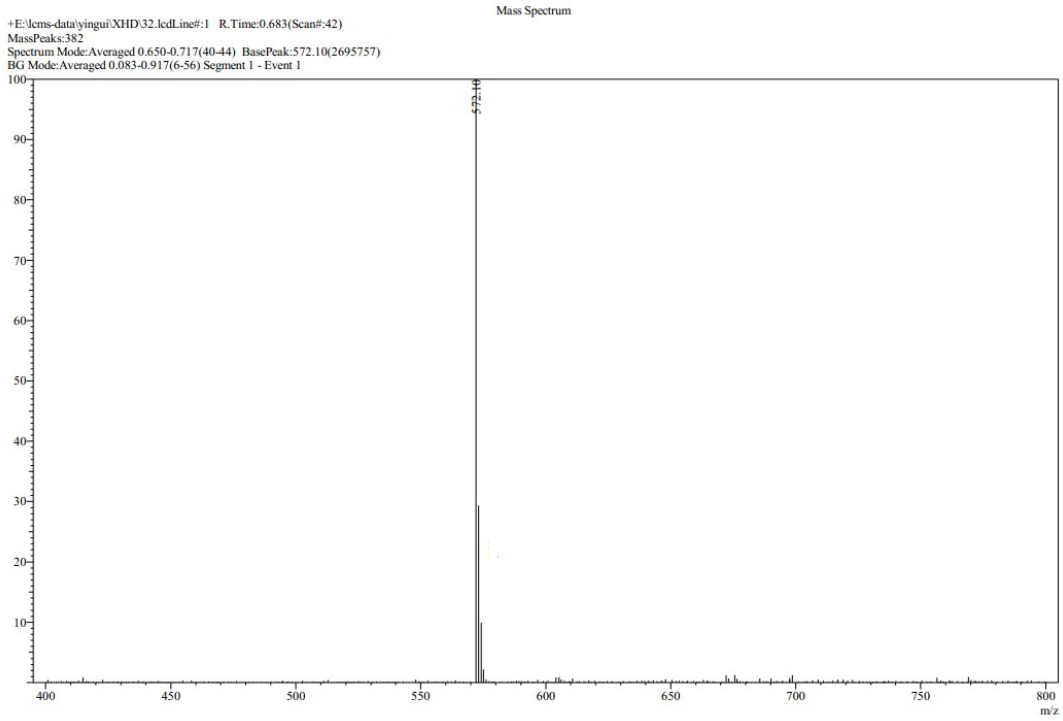


Fig. S3 ESI-MS spectrum (positive mode) of product of PMN–TPP reacted with ClO^-

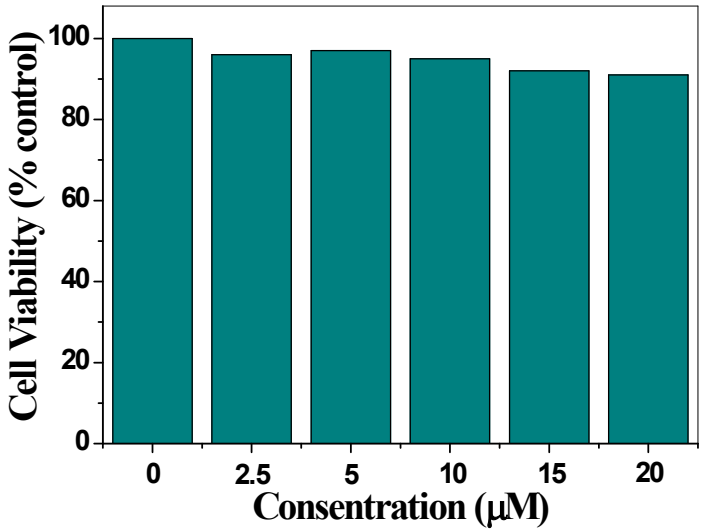
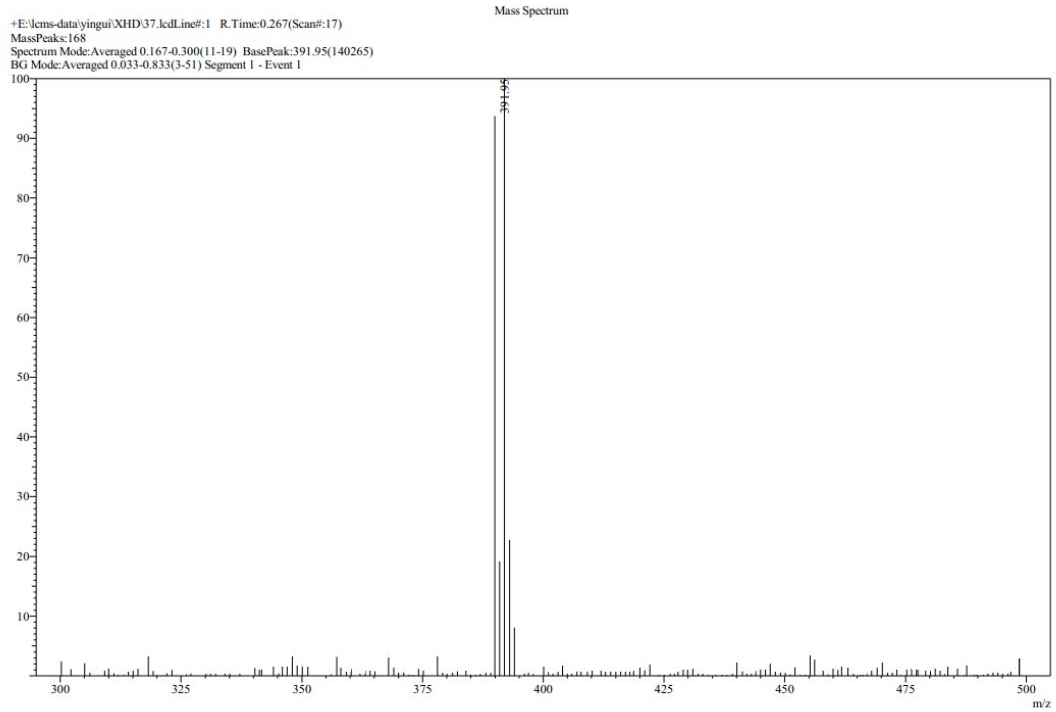
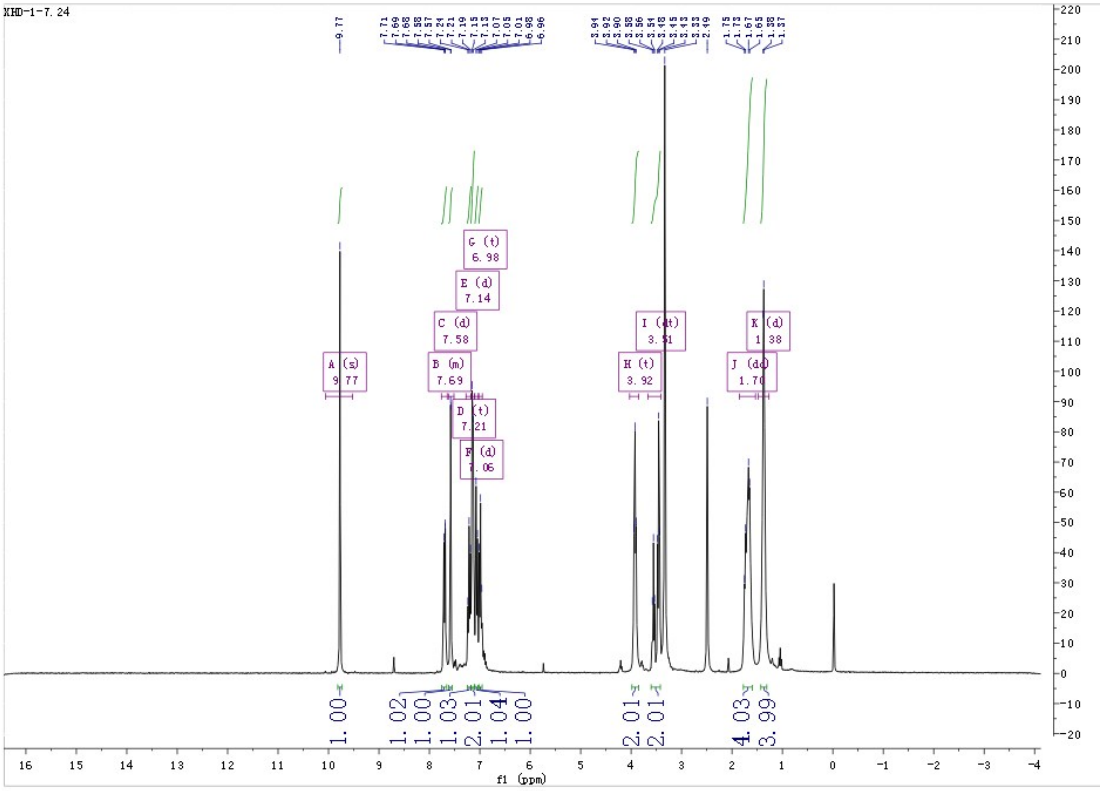


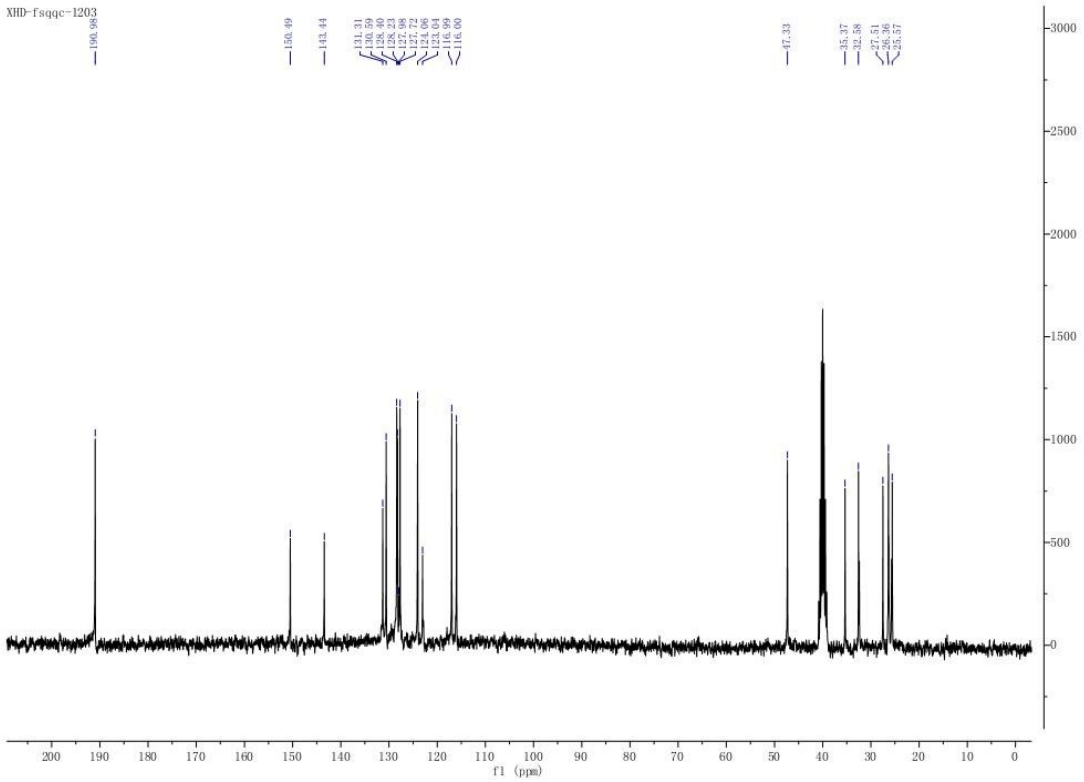
Fig. S4 Cytotoxicity of PZ–Py at various concentrations (2.5 μM, 5 μM, 10 μM, 15 μM and 25 μM) in living RAW 264.7 cells for 12 h.



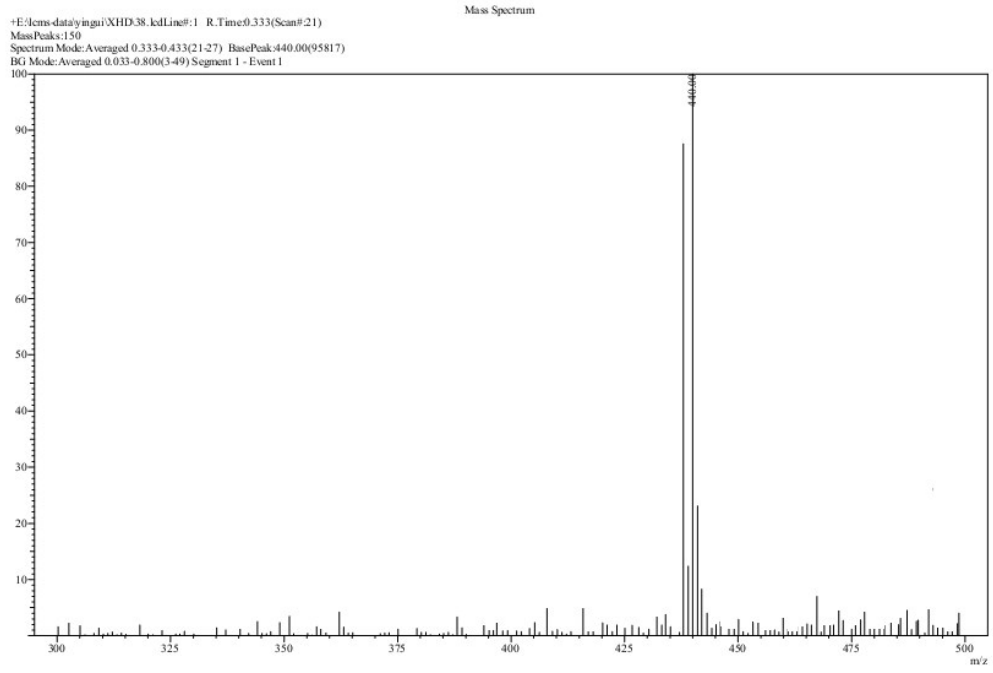
ESI-MS of compound 2



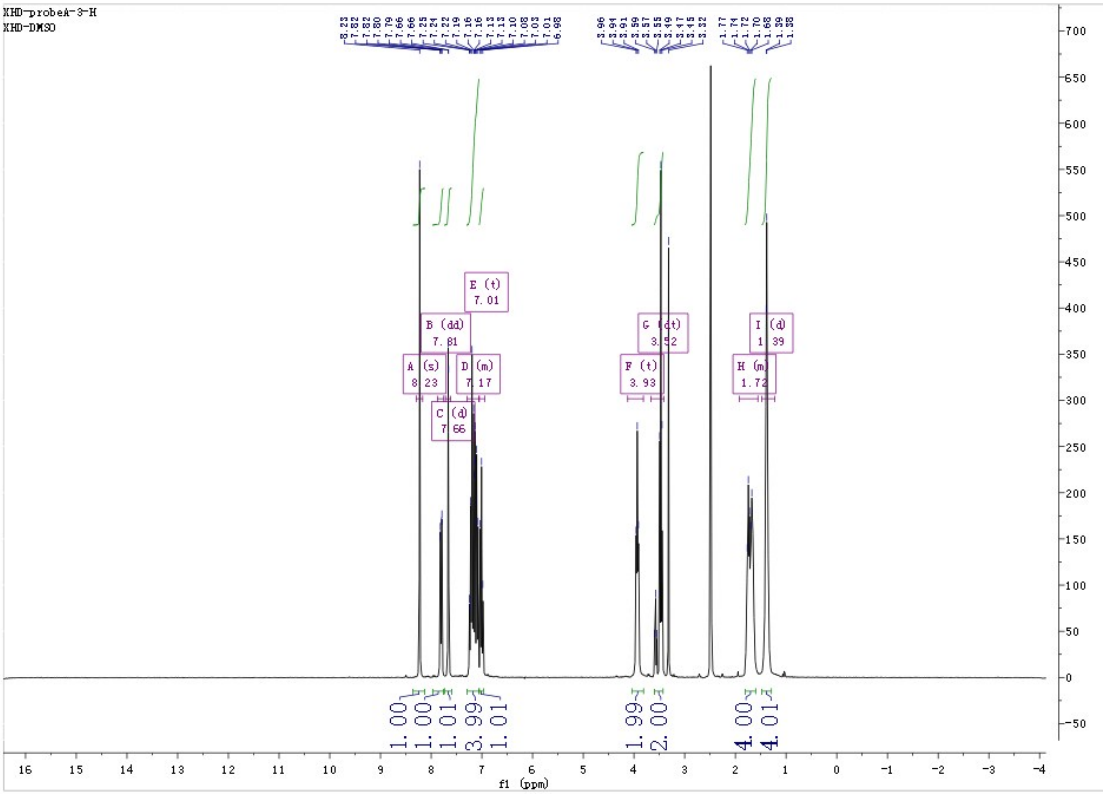
^{1}H NMR spectrum of the compound 2



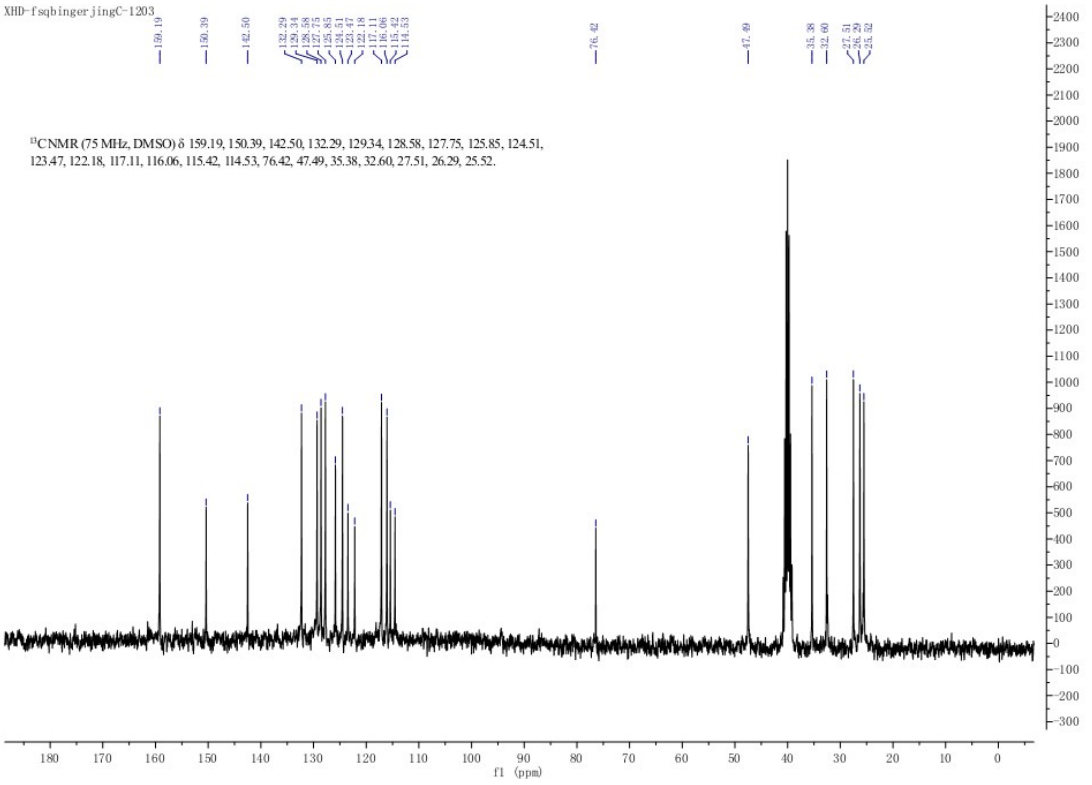
^{13}C NMR spectrum of the compound 2



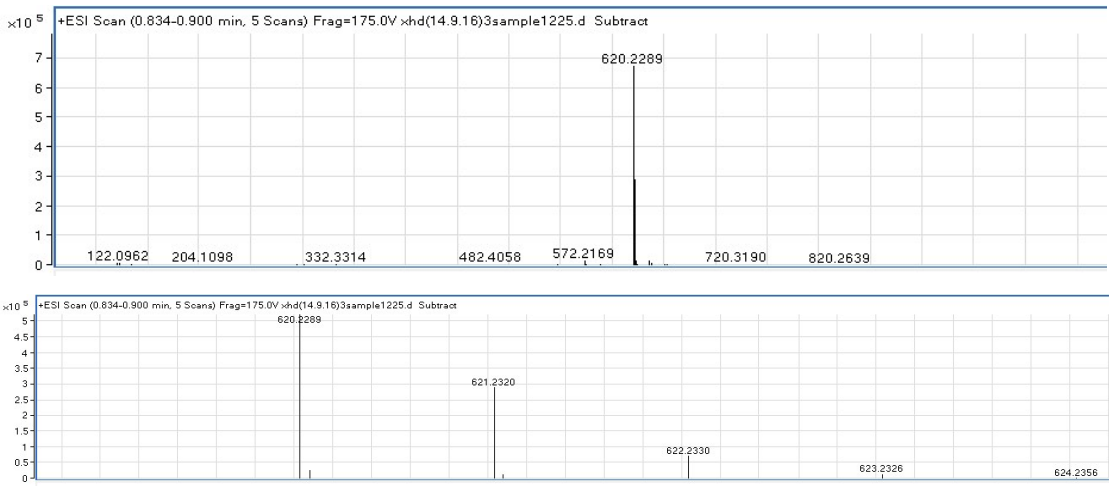
ESI-MS spectrum of compound 3



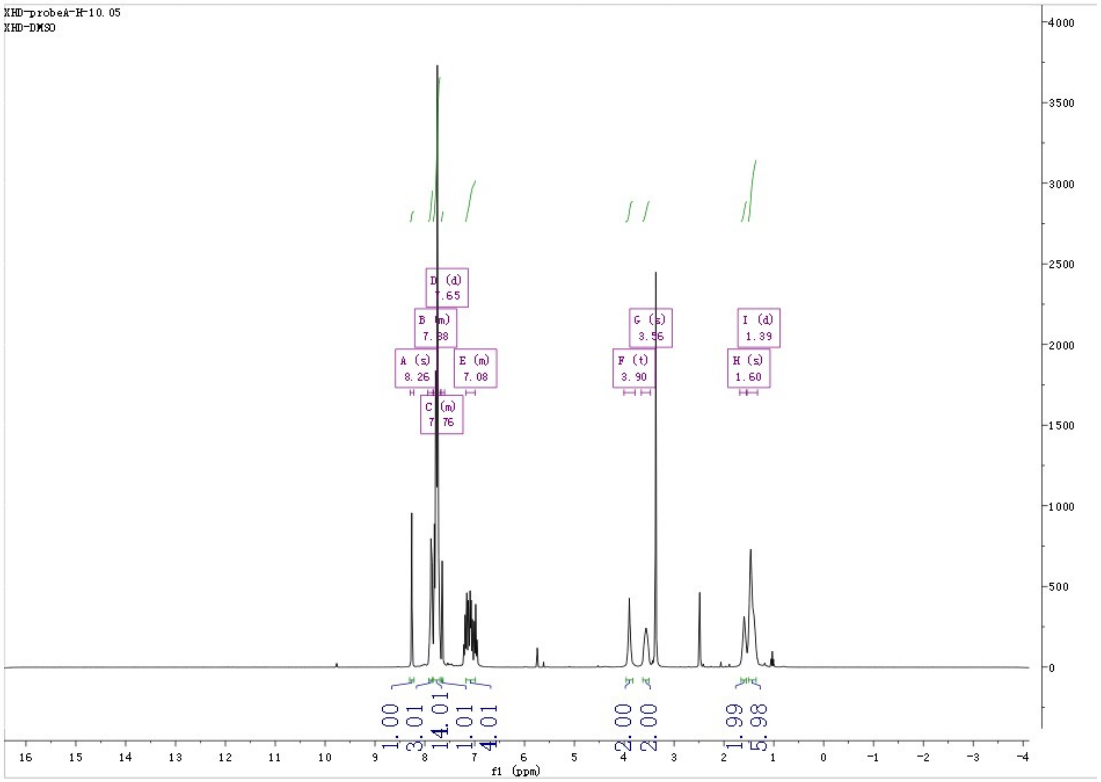
^{1}H NMR spectrum of the compound 3



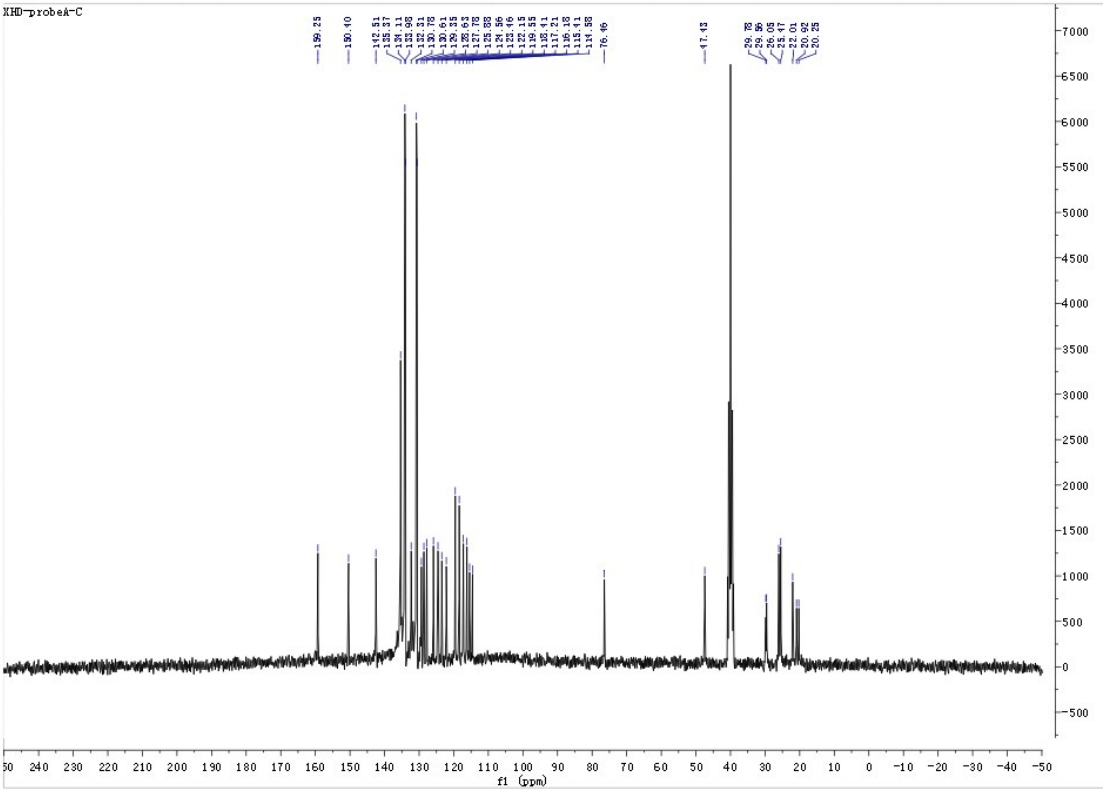
^{13}C NMR spectrum of the compound 3



HR-MS spectrum of the probe PMN-TPP



^{1}H NMR of the probe



^{13}C NMR of the probe