

Electronic Supplementary Information for

Naphthalene-based fluorescent probe with large Stokes shift for mitochondrial pH imaging

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Fig. S3 Cytotoxic effect of probe on HepG2 cells

¹H-NMR, ¹³C-NMR, MS and IR spectra of probe

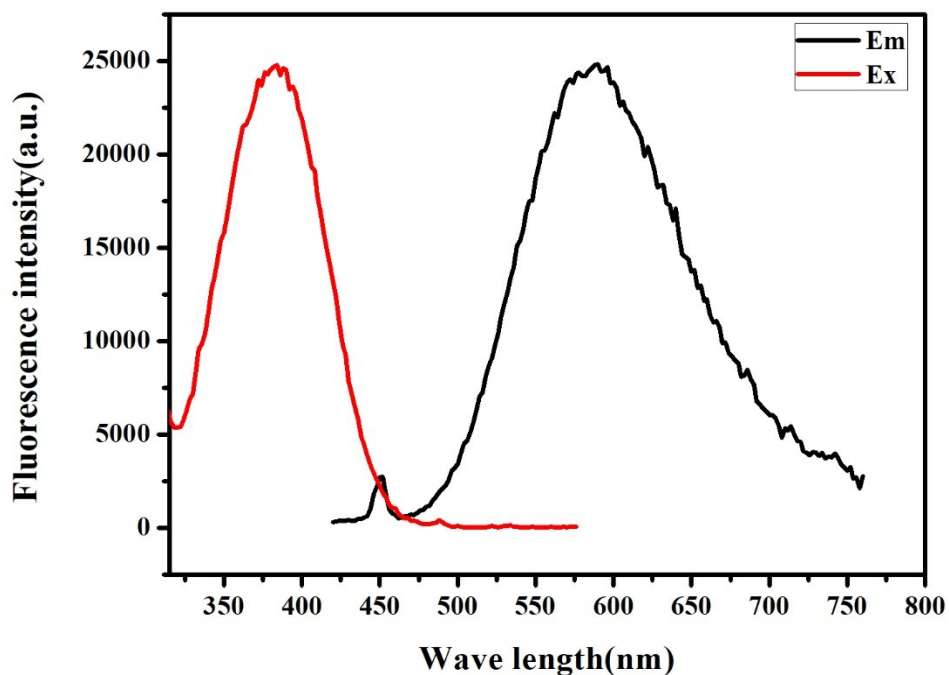


Fig. S1 The excitation and emission spectra of probe. The excitation wavelength was 390 nm in the emission spectrum and the emission spectrum was 586 nm in the excitation spectrum.

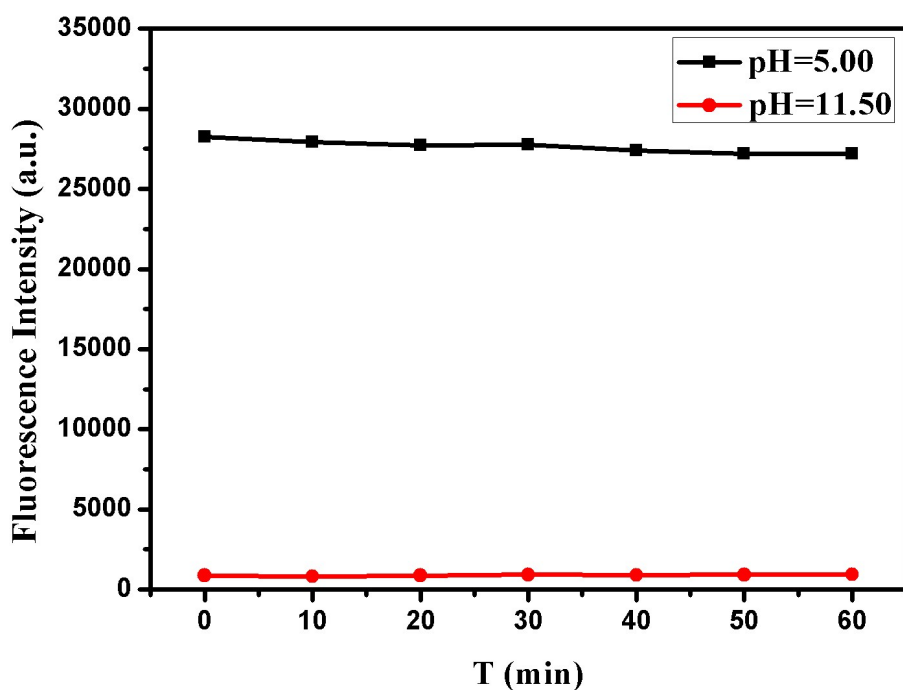


Fig. S2 Changes in fluorescence emission for probe with times at pH 5.00 and 11.50, respectively.

$\lambda_{\text{ex}} = 390 \text{ nm}$. Excitation and emission bandwidths were both set at 2 nm.

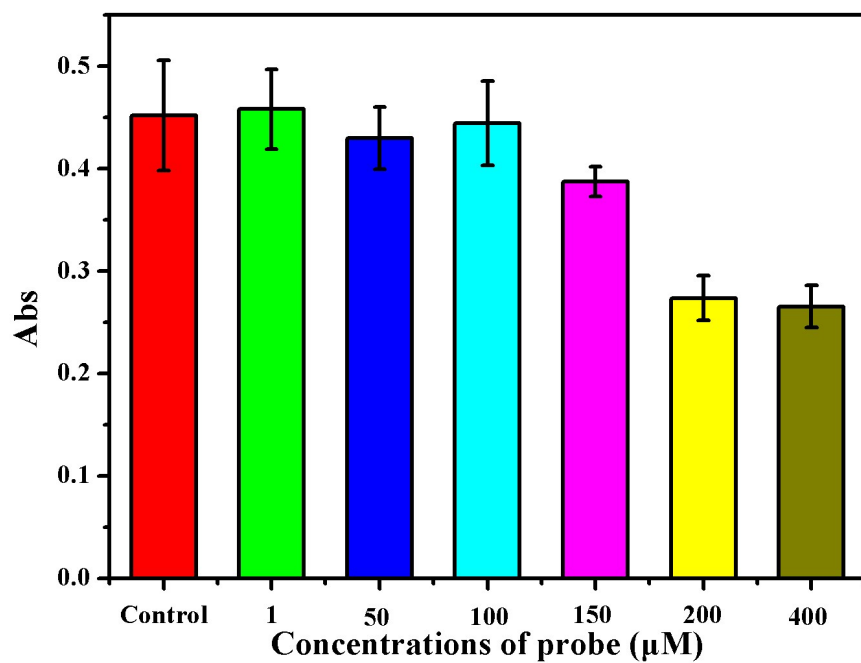
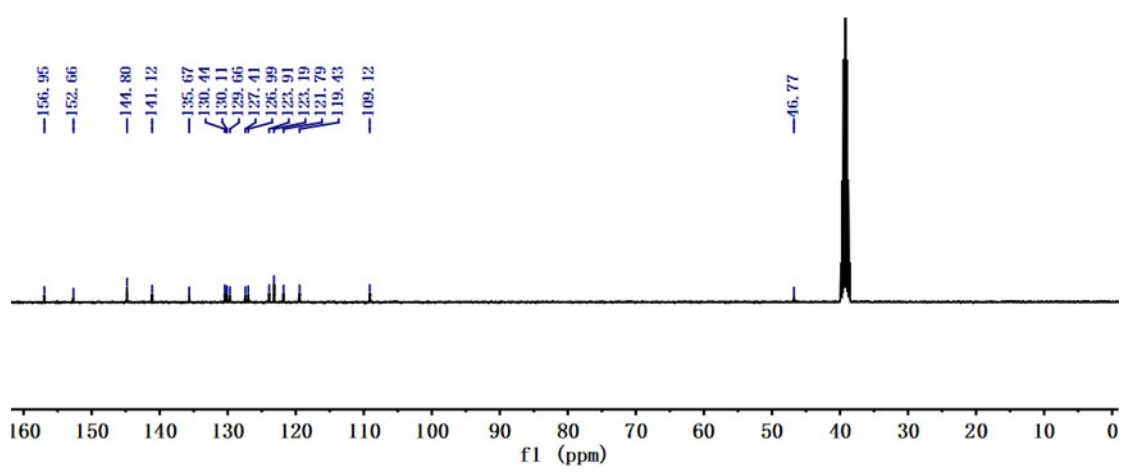
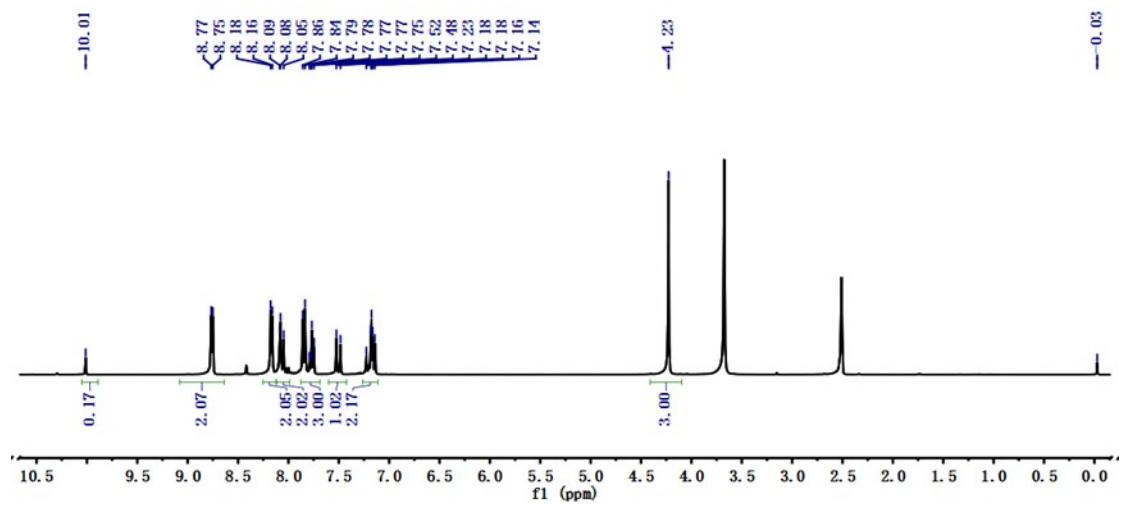
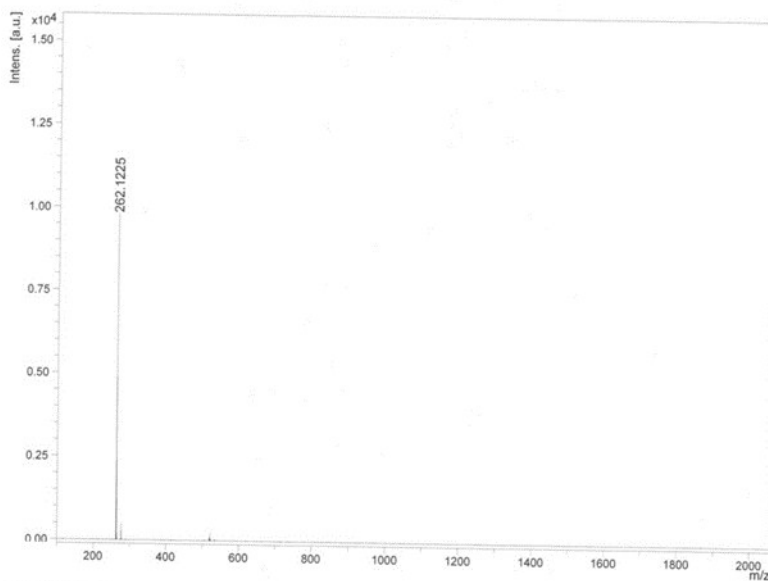


Fig. S3 MTT assay of live HepG2 cells in the presence of probe of various concentrations.

¹H NMR, ¹³C NMR and MS spectra analysis reports of BTVQ.



HONG KONG BAPTIST UNIVERSITY, DEPARTMENT OF CHEMISTRY (MALDI-TOF)



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