Non-Protecting Group Synthesis of a Phospholipase C Activatable Probe with an Azo-Free Quencher

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SUPPORTING INFORMATION

1. MALDI, and Absorbance Spectra (S3-S4)

2. Absorbance and Fluorescence Spectra of Pyro, Pyro-PtdEtn-QSY and LysoPtdEtn-QSY (S5)

3. Overlay of LysoPtdEtn-QSY absorbance and Pyro fluorescence (S6)

1. MALDI AND ABSORBANCE SPECTRA

MALDI and Absorbance spectra of LysoPtdEtn-QSY

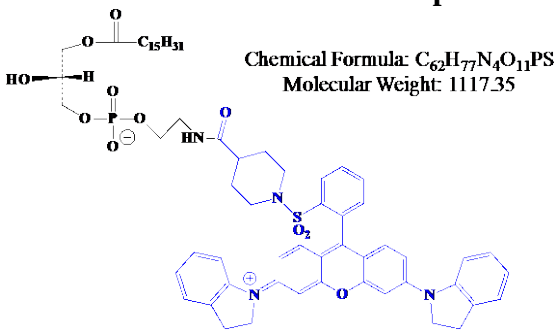

Figure S1. Structure of LysoPtdEtn-QSY.

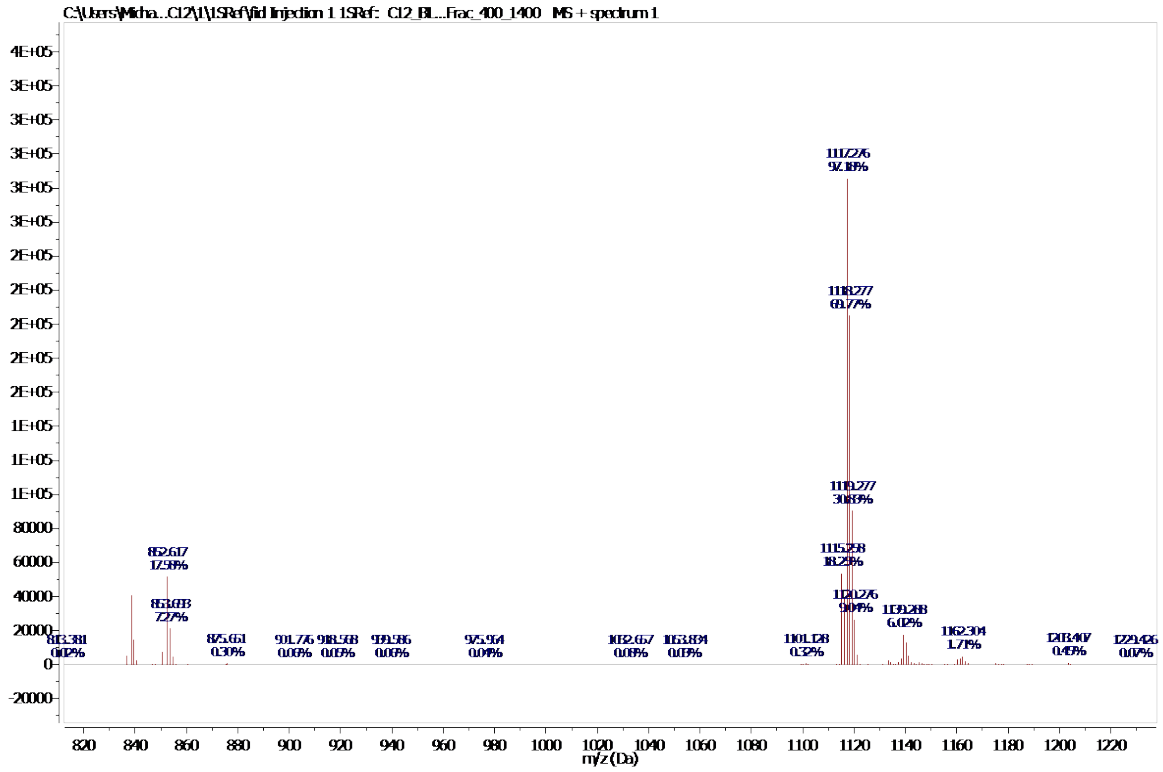

Figure S2. MALDI spectrum of LysoPtdEtn-QSY.

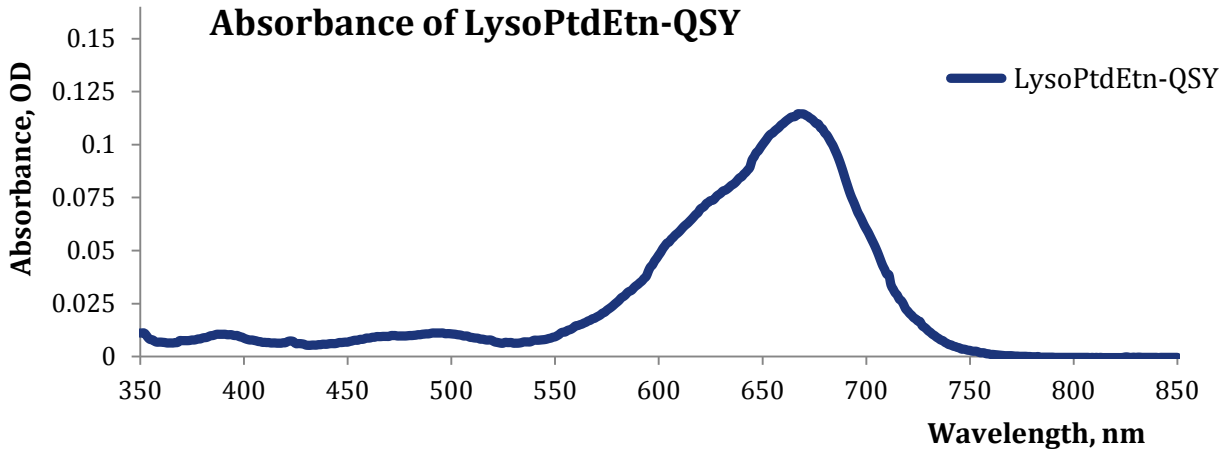

Figure S3. Absorbance spectrum of LysoPtdEtn-QSY in $CHCl_3$.

MALDI and Absorbance spectra of Pyro-PtdEtn-QSY

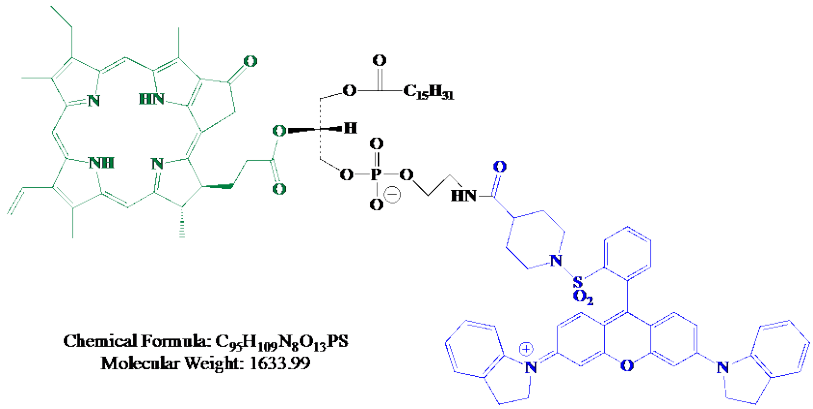

Figure S4. Structure of Pyro-PtdEtn-QSY.

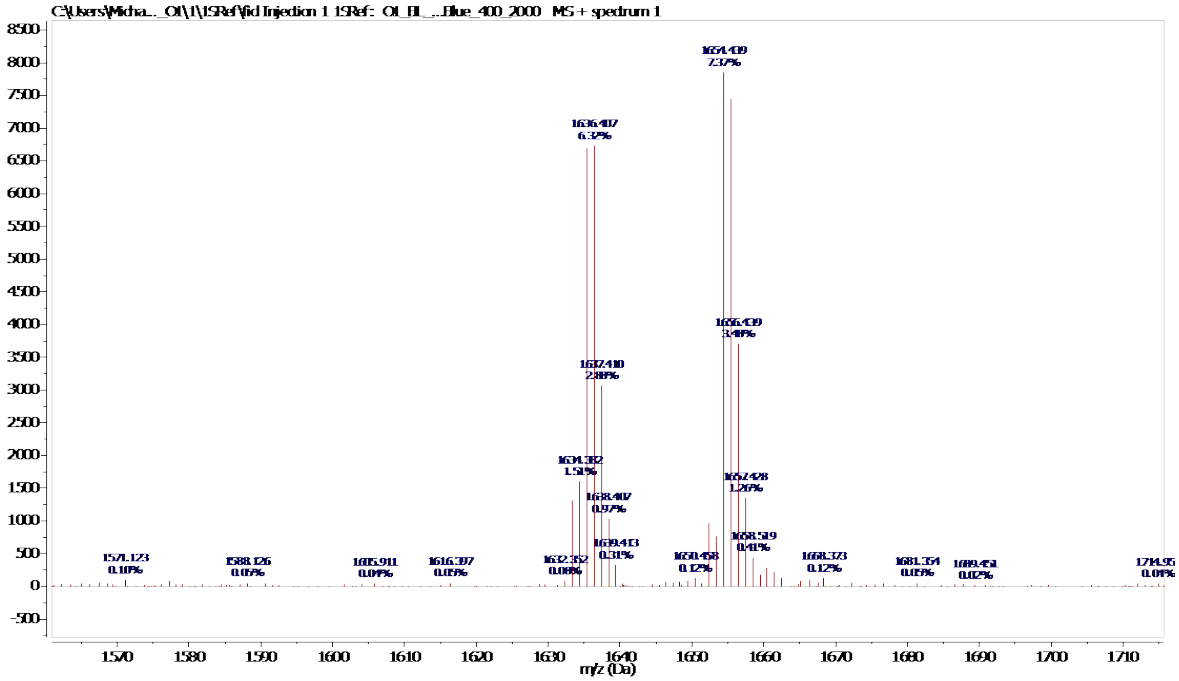

Figure S5. MALDI spectrum of Pyro-PtdEtn-QSY. Note that the sodium derivatives are also observed.

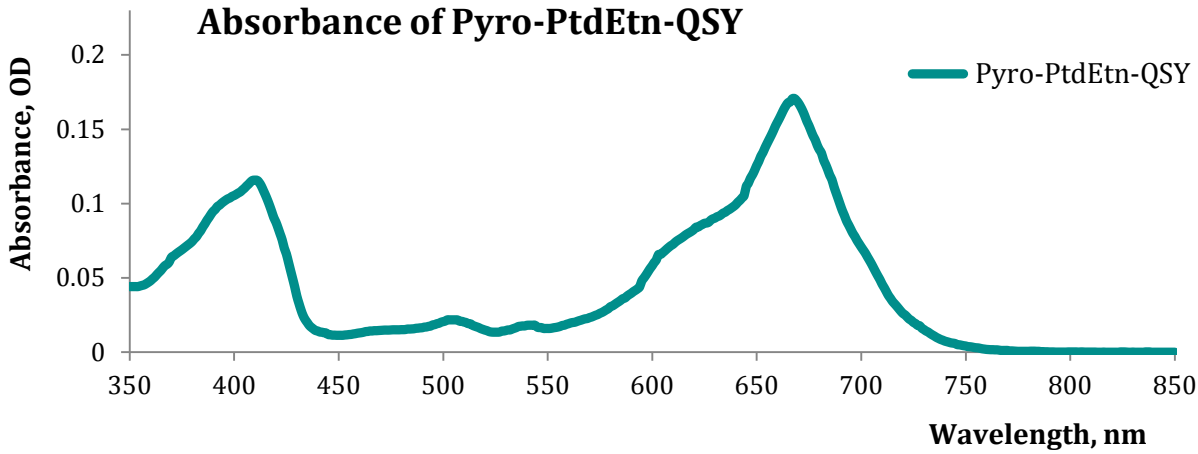

Figure S6. Absorbance spectrum of Pyro-PtdEtn-QSY in $CHCl_3$.

2. Absorbance and Fluorescence Spectra of Pyro, Pyro-PtdEtn-QSY and LysoPtdEtn-QSY

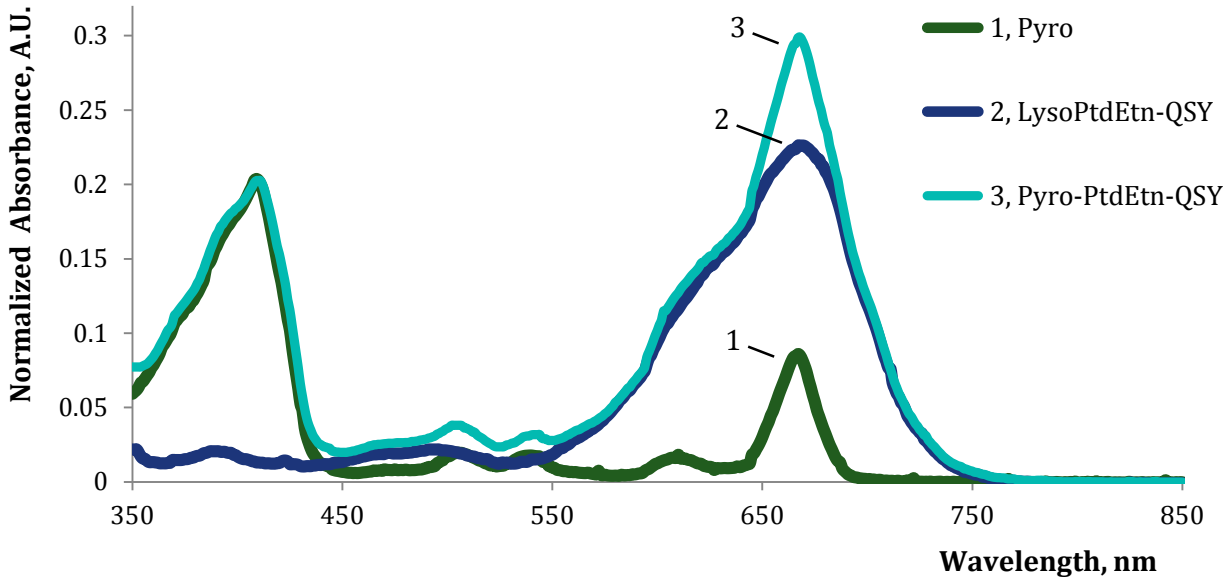

Figure S7. Absorbance spectra of Pyro, LysoPtdEtn-QSY and Pyro-PtdEtn-QSY in $CHCl_3$, normalized to the same concentration of 1.84 μM.

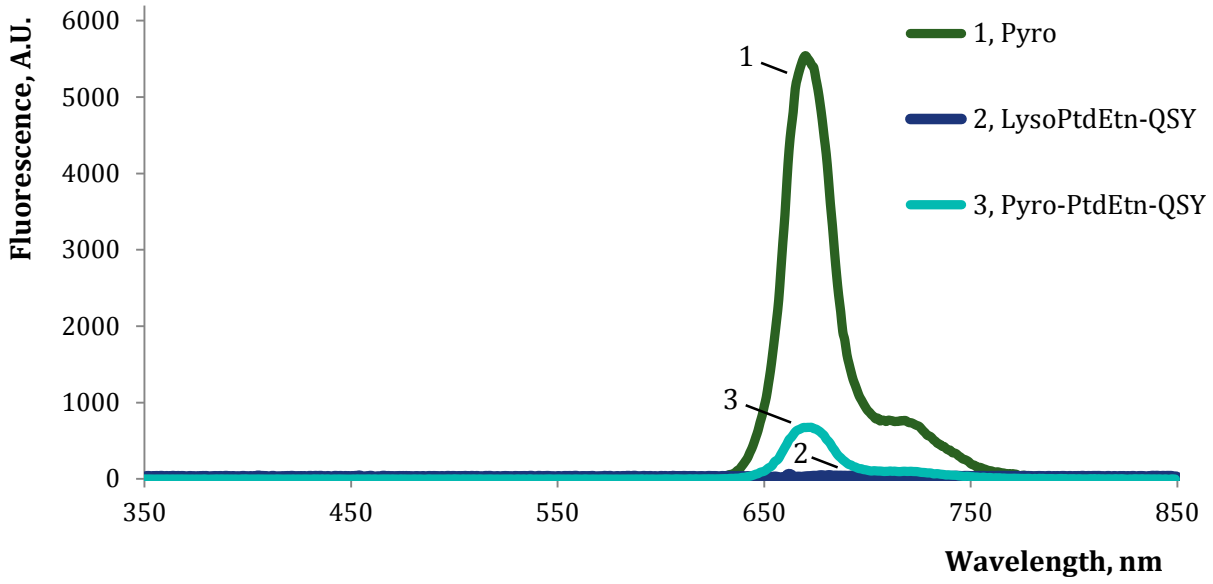

Figure S8. Fluorescence spectra of Pyro, LysoPtdEtn-QSY and Pyro-PtdEtn-QSY, measured in $CHCl_3$ with excitation wavelength at 665 nm. Intensities are normalized to the same concentration of 1.84 μM.

3. Overlay of LysoPtdEtn-QSY absorbance and Pyro fluorescence

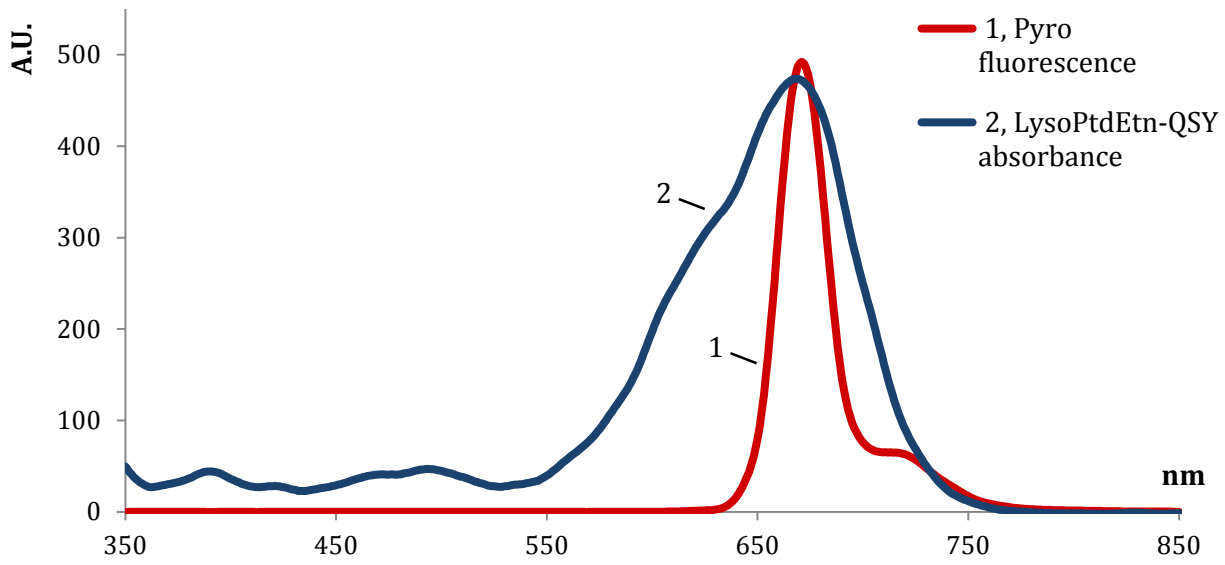

Figure S9. An overlay of pyropheophorbide *a* fluorescence and LysoPtdEtn-QSY absorbance.