Supplementary Information

 $\label{eq:2-((E)-2-((E)-4-chloro-5-(2-((E)-5-methoxy-3,3-dimethyl-1-(3 phenylpropyl)indolin-2-ylidene) ethylidene)-1,1-dimethyl-1,2,5,6-tetrahydropyridin-1-ium-3-yl)vinyl)-5-methoxy-3,3-dimethyl-1-(3-phenylpropyl)-3H-indol-1-ium.$

Emmanuel Ramsey Buabeng^{1,2}, Maged Henary*^{1,2}

¹Department of Chemistry, 100 Piedmont Avenue SE, Georgia State University, Atlanta, GA 30303, USA;

² Center for Diagnostics and Therapeutics, 100 Piedmont Avenue SE, Georgia State University, Atlanta, GA 30303, USA

* Corresponding author, mhenary1@gsu.edu; Tel: 4044135566; Fax: 4044135505



Figure S1. ¹H NMR spectrum of **ERB-60**.



Figure S2.¹³ C NMR Spectrum of **ERB-60.**





Figure S3. Mass Spectrum of **ERB-60** with the removal of one Methoxy group.





Figure S4. A linear regression plot of **ERB-60** in MeOH and *i*-PrOH.





Figure S5. A linear regression plot of **ERB-60** in DMSO and MeCN.





Figure S6. A linear regression plot of **ERB-60** in DMF and Water.