Supporting Information

Properties of a Flavonol-based PhotoCORM in Aqueous Buffered Solutions:
Influence of Metal Ions, Surfactants and Proteins on Visible Light-induced CO Release

Marina Popova¹, Tatiana Soboleva¹, Atta M. Arif² and Lisa M. Berreau¹,*

¹Department of Chemistry and Biochemistry, Utah State University, 0300 Old Main Hill, Logan, UT 84322-0300, USA

²Department of Chemistry, University of Utah, 315 S. 1400 E., Salt Lake City, UT 84112-0850, USA
Figure S1. Absorption and emission spectra of 2a in 1:1 DMSO:H₂O in the presence of two equivalents of NaOH.
Figure S2. ESI/APCI MS of [(bpy)Zn(2a^-)]ClO_4 (4).
**Figure S3.** a) Fluorescence emission of spectrum of HSA (1.4 µM) in presence of various concentrations of 2a in TRIS buffer at pH = 7.4; T = 295 K, $\lambda_{ex} = 282$ nm. [2a] = 0, 1.4, 2.8, 5.6, 8.4, 11.2, 16.8, and 22.4 µM. b) Stern-Volmer plot of data for titration of HSA with 2a. c) Modified Stern-Volmer plot of data for titration of HSA with 2a.
Figure S4. Modified Stern-Volmer plots for the titration of BSA with 2a in the presence of (a) warfarin and (b) ibuprofen.

Figure S5. Modified Stern-Volmer plots for the titration of HSA with 2a in the presence of (a) warfarin and (b) ibuprofen.
**Figure S6.** Modified Stern-Volmer plots for the titration of BSA with 3a in the presence of (a) warfarin and (b) ibuprofen.