SUPPORTING INFORMATION

Kinetic Control in the Regioselective Alkylation of Pterin Sensitizers: A Synthetic, Photochemical, and Theoretical Study

Niluksha Walalawela^{1,2}, Mariana Vignoni^{1,3}, María Noel Urrutia³, Sarah J. Belh^{1,2}, Edyta M. Greer^{4*}, Andrés H. Thomas^{3*}, and Alexander Greer^{1,2*}

¹Department of Chemistry, Brooklyn College, City University of New York, Brooklyn, New York 11210, United States
²Ph.D. Program in Chemistry, The Graduate Center of the City University of New York, 365 Fifth Avenue, New York, New York 10016, United States
³Instituto de Investigaciones Fisicoquímicas Teóricas y Aplicadas (INIFTA), Departamento de Química, Facultad de Ciencias Exactas, Universidad Nacional de La Plata (UNLP), CCT La Plata-CONICET, Casilla de Correo 16, Sucursal 4, (1900) La Plata, Argentina
⁴ Department of Natural Sciences, Baruch College, City University of New York, New York, NY 10010, United States

*Corresponding authors' e-mails: athomas@inifta.unlp.edu.ar (Andrés H. Thomas); edyta.greer@baruch.cuny.edu (Edyta M. Greer); and agreer@brooklyn.cuny.edu (Alexander Greer)

Table of Contents

Page

- S1 Table of Contents
- S2 Figure S1: HSQC NMR spectra of pterin **3** in DMSO- d_6 .
- S2 Figure S2: HMBC NMR spectra of pterin 3 in DMSO- d_6 .
- S3 Figure S3: HSQC NMR spectra of pterin 4 DMSO- d_6 .
- S3 Figure S4: HMBC NMR spectra of pterin 4 DMSO- d_6 .



Figure S2. HMBC NMR spectra of pterin 3 in DMSO- d_6 .



Figure S4. HMBC NMR spectra of pterin 4 DMSO- d_6 .