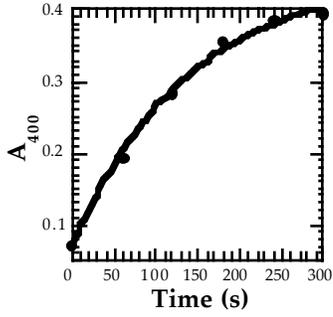


Supporting Information:

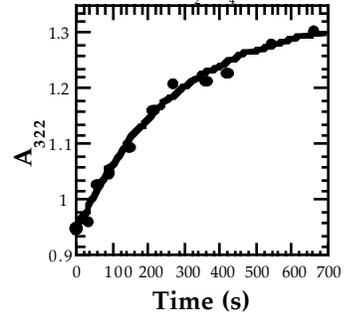
4,5-Dimethoxy-2-nitrophenylglycine hydrochloride (**1**). To 3,4-dimethoxyphenylglycine (27 mg, 110 μ mol) in glacial acetic acid (1.0 mL) was added concentrated nitric acid dropwise (0.8 mL, 13 mmol) at 0° C. The reaction

was stirred 0.5 h, diluted with cold water (10 mL) and the product was extracted into CH₂Cl₂. Pure **1** (20 mg, 62%) was obtained as a yellow solid on removal of the solvent *in vacuo*.: ¹H NMR (CDCl₃) δ 7.73 (s, 1H), 7.24 (s, 1H), 6.97 (s, 1H), 4.03 (s, 3H), 4.02 (s, 3H).

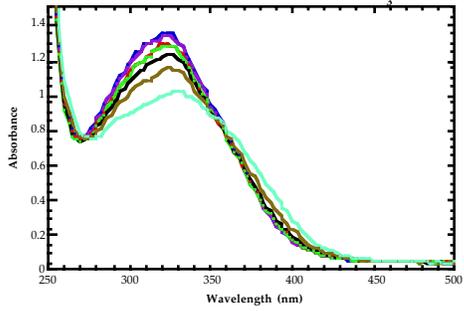
Photodecomposition of o-NDMPG in CHCl_3



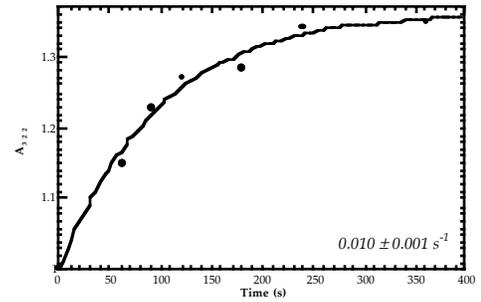
Photodecomposition of o-NDMPG in 20mM KH_2PO_4 (pH 1)



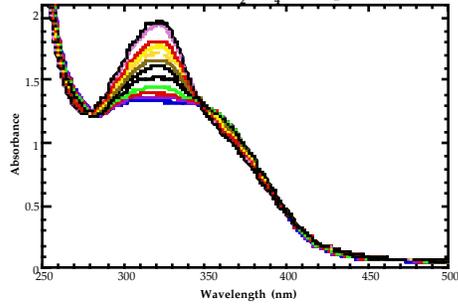
Photodecomposition of o-NDMPG in $\text{CH}_3\text{OH}/\text{HCl}$



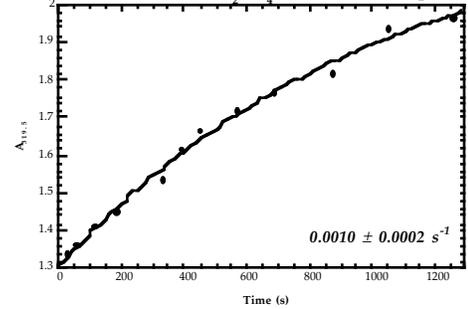
Photodecomposition of o-NDMPG in Methanol



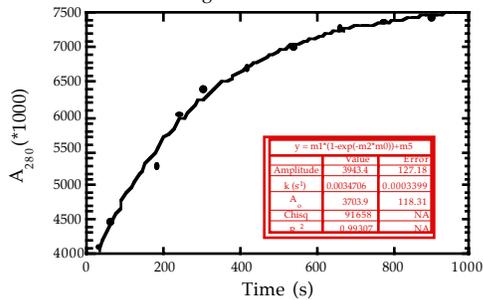
Photodecomposition of o-NDMPG in 20 mM $\text{KH}_2\text{PO}_4/\text{HCl}$ (pH 2)



Photodecomposition of o-NDMPG in 3.0 mL 20 mM KH_2PO_4 + 50 uL 6 N HCl (pH 2)



Photocleavage of PLM-Masked Inhibitor



Deprotection of 1•I, Monitored by Displacement of Dansylamide from CA

