



Figure S1. The grating-factor of the fluorimeter and the stopped-flow. The SF G-factor (blue dots) was obtained by triplication through the 520-nm, 580-nm, and 620-nm interference filters and a polarizer at the vertical and horizontal position to acquire the I_{HV}/I_{HH} ratio with scans of 3-5 secs. The excitation Ar⁺ laser and sample concentrations were those described in the experimental section of each of the association reactions. The fluorimeter's G-factor (orange dots) was obtained from 500-700 nm by measuring the I_{HV}/I_{HH} ratio acquired by polarizers with 3-5 s scans carried out by triplicated with a step size of 5-10 nm and the emission monochromator bandwidth set at 1 turn. The fluorimeter G-factor calculations required an AdMLP_{14ds}*Fl solution at a concentration of 0.5 μ M, to yield the values in the 500-590 nm range. The fluorimeter G-factor in the 580-700 nm range was acquired by a solution of Xr*AdMLP_{14ds} at a concentration of 4.7 μ M at excitations of 510 nm and 560 nm.



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