

Synthesis and photophysical studies of new pyrenylamino acids

SUPPLEMENTARY DATA

Table SD1. Ratio of emission intensities between excimer and monomer, I_E/I_M , for the bipyrenylamino acid **4** in several solvents (the viscosity of solvents at room temperature is also indicated).

Solvent	η (cP)	I_E/I_M
Cyclohexane	0.89	1.96
Ethanol	1.14	0.96
Methanol	0.59	0.95
Ethyl acetate	0.42	2.51
Dichloromethane	0.41	2.49
Dioxane	1.18	1.40
Acetonitrile	0.37	3.22
<i>N,N</i> -Dimethylformamide	0.79	1.23
Dimethylsulfoxide	1.99	0.93

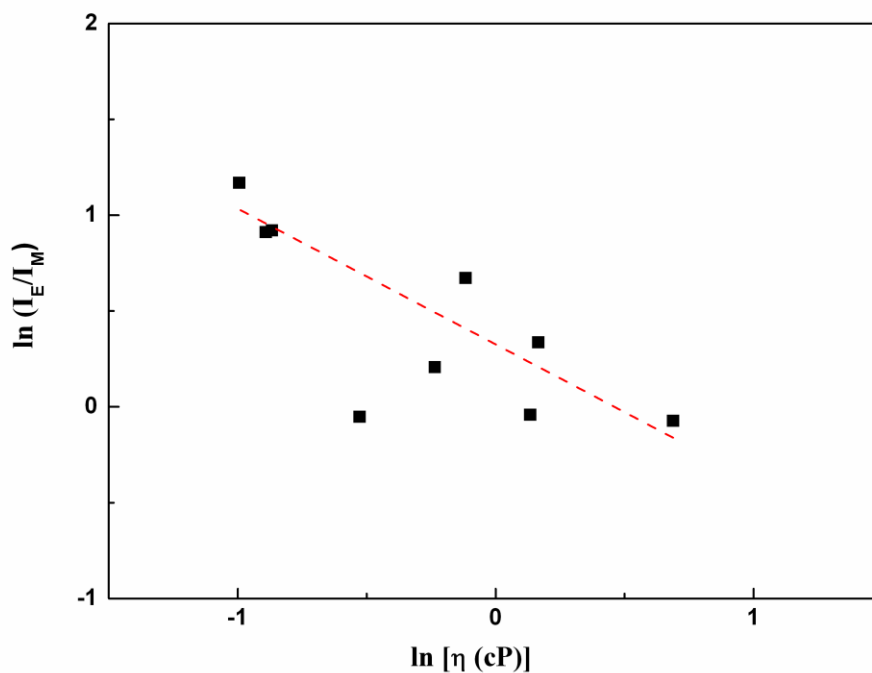


Figure SD1. Plot of $\ln(I_E/I_M)$ versus $\ln \eta$ for the bipyrenylamino acid **4**.

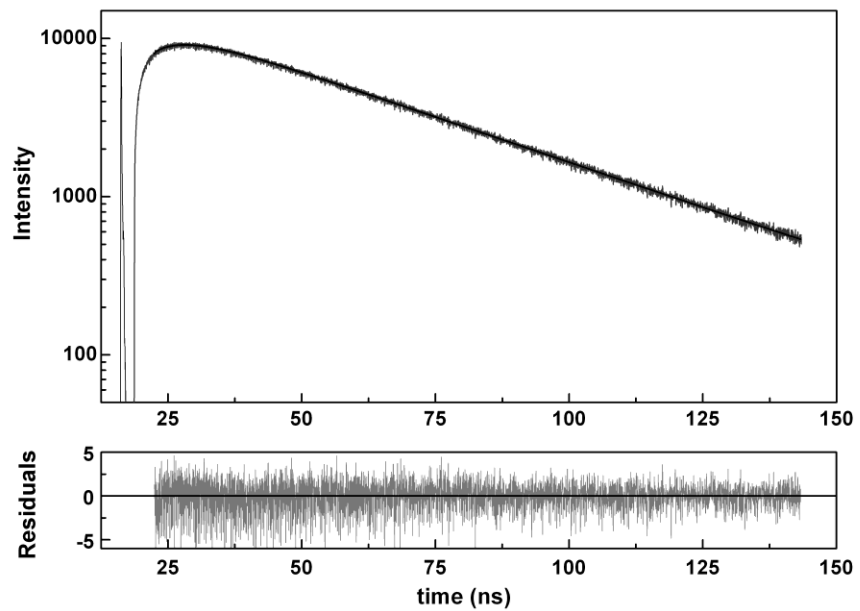


Figure SD2. Fitting of the decay curve of the bipyrenylamino acid **4** ($\lambda_{em}=500$ nm) in ethanol, as an example.