

Electronic supporting information for:

Confinement of a styryl dye into nanoporous
aluminophos-phates: channels vs cavities

by Ainhoa Oliden-Sánchez,¹ Rebeca Sola-Llano,¹ Joaquín Pérez-Pariente,²
Luis Gómez-Hortigüela,^{2,*} and Virginia Martínez-Martínez,^{1,*}

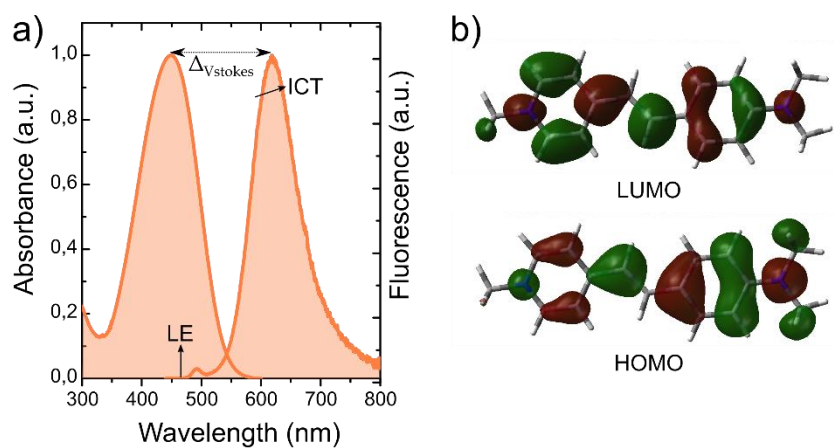


Figure S1. a) Height-normalized absorption and emission spectra ($\lambda_{\text{exc}} = 420 \text{ nm}$) recorded for the 4-DASPI dye in aqueous solution; b) HOMO-LUMO orbitals of 4-DASPI dye.

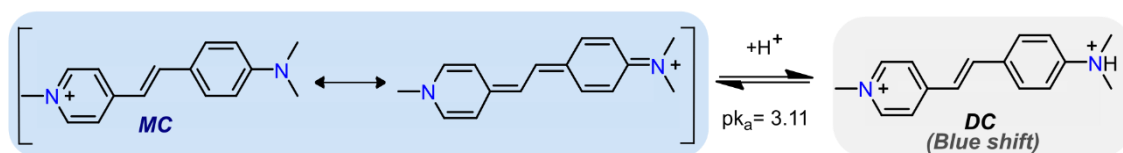


Figure S2. Equilibrium between monocation (MC) and dication (DC) species of 4-DASPI dye in aqueous solution.

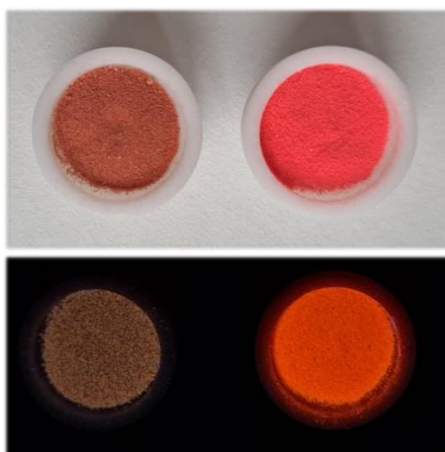


Figure S3. Photographs of samples 4-DASPI@MgAPO-AEL (1) and (6) in powder under ambient and UV light.

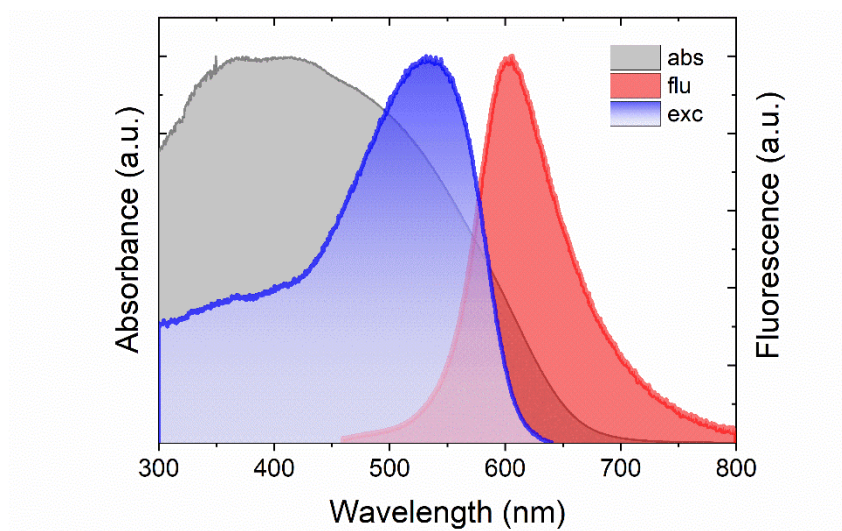


Figure S4. Absorption, excitation and emission ($\lambda_{\text{exc}} = 450 \text{ nm}$) spectra of sample 4-DASPI@MgAPO-AEL-1

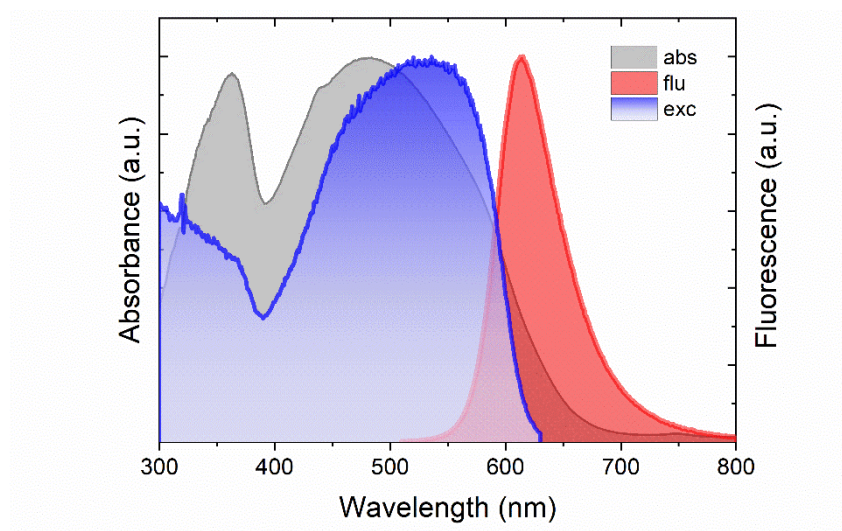


Figure S5. Absorption, excitation and emission ($\lambda_{\text{exc}} = 500 \text{ nm}$) spectra of sample 4-DASPI@MgAPO-AEL-6 .