

Supplementary material

to

Luminescent and Time Resolved Determination of Gemifloxacin Mesylate in Pharmaceutical Formulations and Spiked Blood Plasma Samples Using a Lanthanide Complex as a Probe

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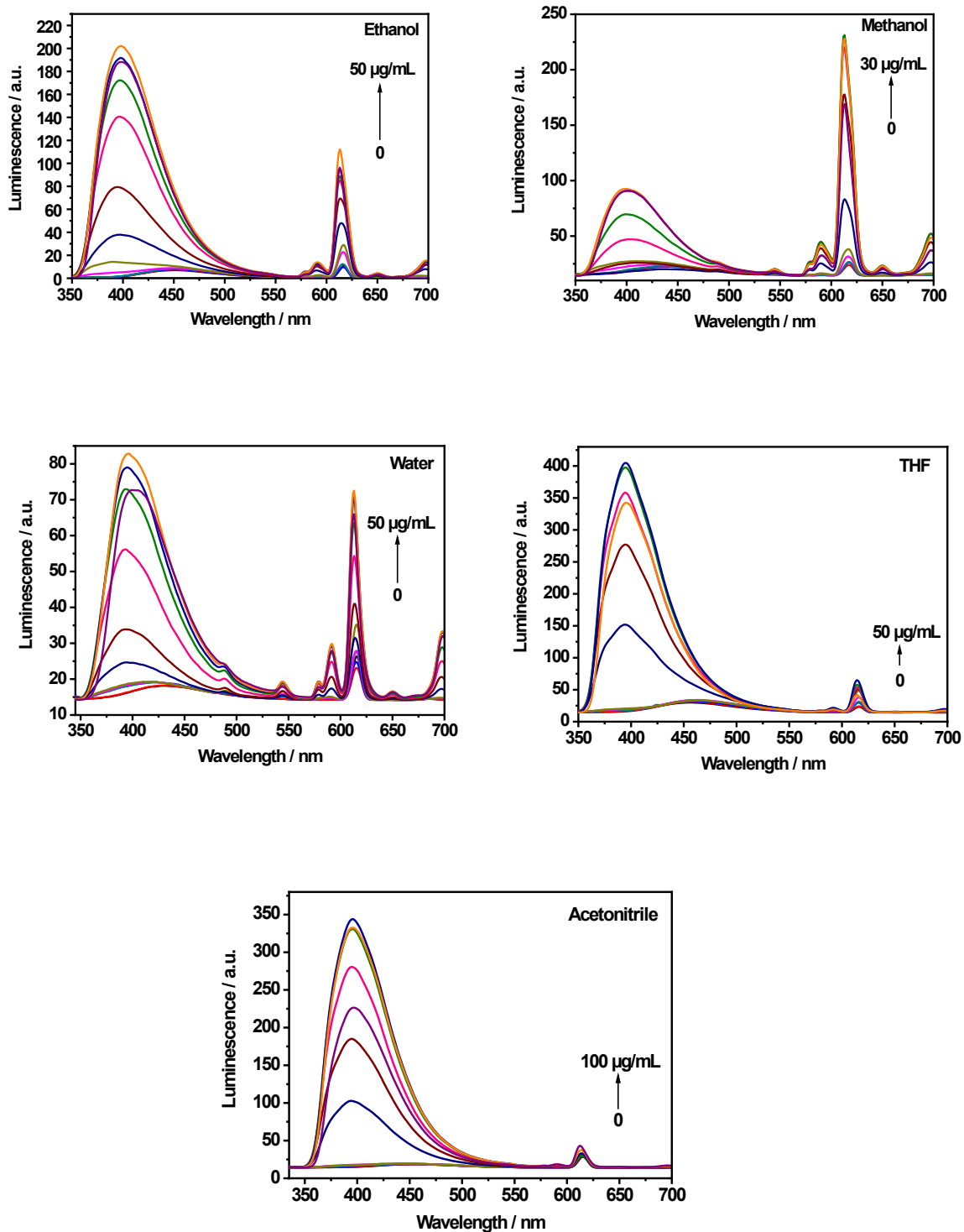


Fig. S1 Luminescence spectra of $1 \cdot 10^{-5}$ mol/L Eu-(AZ)₂ with various concentrations of GMF (0, 0.01, 0.05, 0.1, 0.5, 1, 5, 10, 20, 30, 40, 50, 100 $\mu\text{g mL}^{-1}$) at $\lambda_{\text{exc/em}} = 307 \text{ nm} / 615 \text{ nm}$ and in different

solvents at room temperature

Table S1 Concentrations of interferences tolerated in the presence of 5 µg mL⁻¹ of GMF.

Interferent	Concentration (µg / mL)	GMF/Interferent Ratios
Anhydrous lactose	15100	0.000331
Avicel PH101	3200	0.00156
Talc	57200	8.75 x 10 ⁻⁵
Titanium dioxide	640	0.00781
Magnesium stearate	10200	0.000490
Croscarmellose sodium salt	4250	0.00118
PVP K30	35000	0.000143
starch	10000	0.000500