

Table 1 ESI Summary of the optical properties of free and RNA bound sanguinarine^a

Parameter	poly(A).poly(U)	poly(I).poly(C)	poly(C).poly(G)
Absorbance			
λ_{\max} (free)	327	327	327
λ_{\max} (bound)	337	336	335
$\lambda_{\text{iso}}^{\text{b}}$	347, 372, 496	344, 368, 496	354, 370, 502
ϵ_{f} (at λ_{\max})	30,700	30,700	30,700
ϵ_{b} (at λ_{\max})	17,430(327)	18,825(327)	15,340(327)
ϵ_{iso} (at λ_{iso})	18,760	23,700	12,195(354)
Fluorescence			
λ_{\max} (excitation)	475	475	475
λ_{\max} (emission)	565	565	565
$F_{\text{b}}/F_{\text{o}}$	4.69	0.27	4.46

^aUnits: λ nm; ϵ (molar extinction coefficient) $\text{M}^{-1} \text{cm}^{-1}$. ^bWavelengths at the isosbestic points. ^c F_{o} and F_{b} are the fluorescence intensities of the free and completely bound sanguinarine at 565 nm in each case.