

***Electronic Supplementary Information for RSC Advances
article***

**Antihypertensive Activity of a Quinoline Appended
Chalcone Derivative and its Site Specific Binding
Interaction with Relevant Target Carrier Protein**

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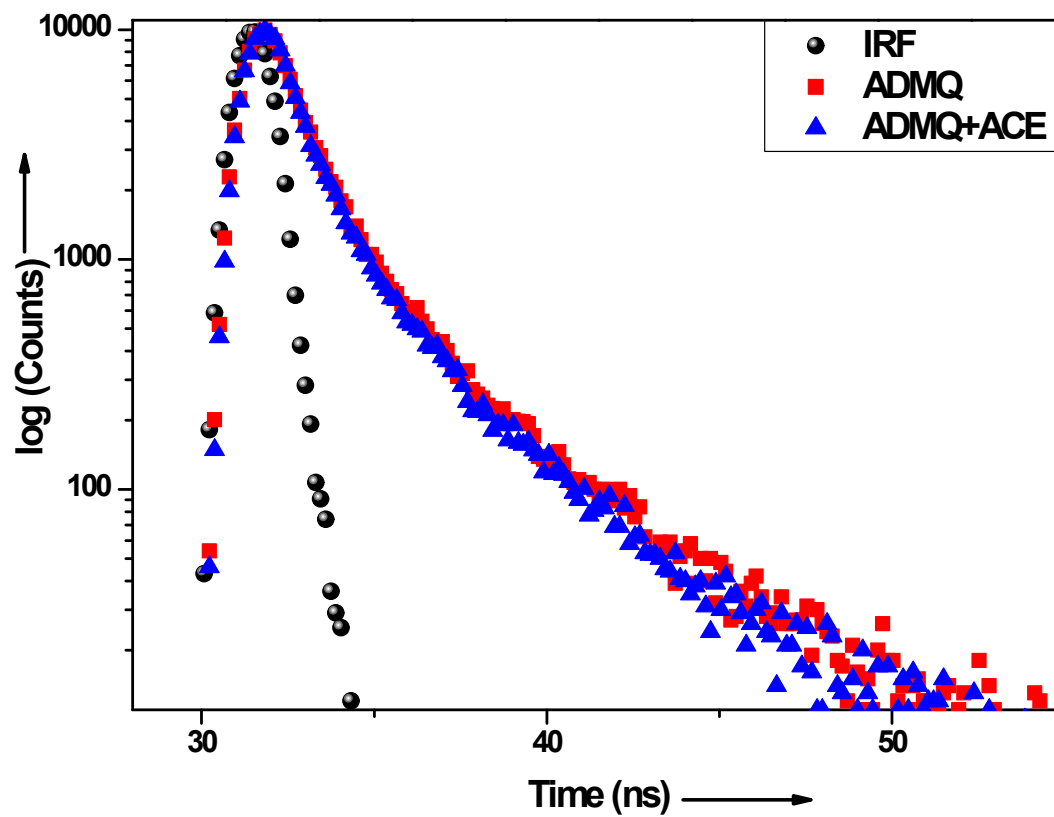
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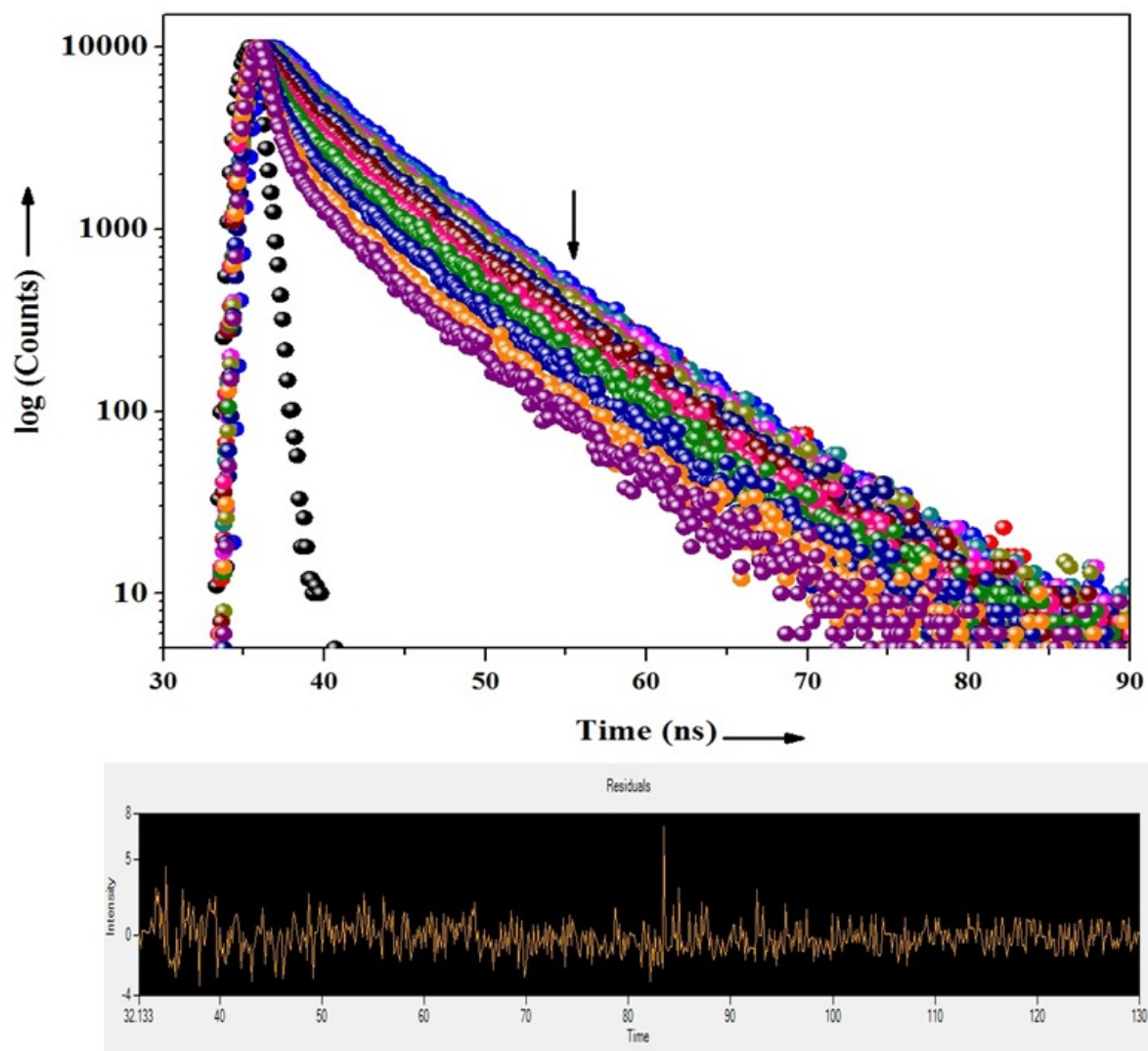
S1- Time resolved fluorescence decay of ADMQ with increasing ACE. ($\lambda_{\text{ex}} = 407 \text{ nm}$, $\lambda_{\text{em}} = 550 \text{ nm}$) at 298 K. $[\text{ADMQ}] = 9.871 \times 10^{-6} \text{ mol dm}^{-3}$



S2- Lifetime data of increasing ACE in ADMQ environment . ($\lambda_{\text{ex}} = 407 \text{ nm}$, $\lambda_{\text{em}} = 550 \text{ nm}$) at 298 K. $[\text{ADMQ}] = 9.871 \times 10^{-6} \text{ mol dm}^{-3}$

[ACE] (μM)	τ_1 (ns)	τ_2 (ns)	α_1	α_2	τ_m (ns)	χ^2
0	0.955	3.89	2.05	0.122	1.11	1.06
0.00088	0.929	3.85	2.17	0.124	1.08	1.17
0.00177	0.954	3.94	2.28	0.113	1.09	1.13
0.00265	0.917	3.84	1.87	0.114	1.08	1.17
0.00353	0.926	3.85	2.13	0.113	1.07	1.11
0.00441	0.873	3.73	2.08	0.112	1.01	1.13
0.00530	0.891	3.68	2.12	0.124	1.04	1.18
0.00618	0.909	3.88	1.99	0.108	1.06	1.05
0.00706	0.880	3.72	2.05	0.120	1.03	1.19
0.00794	0.895	3.71	2.15	0.122	1.04	1.25
0.00882	0.890	3.75	2.19	0.116	1.03	1.11
0.00970	0.849	3.54	2.23	0.136	1.00	1.15

S3- Time resolved fluorescence decay of BSA with increasing ADMQ along with the residuals plot. ($\lambda_{\text{ex}}= 280 \text{ nm}$, $\lambda_{\text{em}}= 340 \text{ nm}$) at 298 K.



S4- Overlap spectra of normalized absorbance of ADMQ (blue) and normalized fluorescence intensity of BSA (black). The shaded region depicts the actual overlap of both species.

