

**Table ESI1.** Dependence of the first-order rate constant ( $k_{\text{obs}}$ ) for the decay of  $^3\text{NFA}^*$  on the ground-state concentration of NFA ( $[\text{NFA}]$ )

acetonitrile		1,4-dioxane		acetone		hexane	
$[\text{NFA}]$ $/10^{-4}\text{mol dm}^{-3}$	$k_{\text{obs}}/10^5\text{s}^{-1}$	$[\text{NFA}]$ $/10^{-4}\text{mol dm}^{-3}$	$k_{\text{obs}}/10^5\text{s}^{-1}$	$[\text{NFA}]$ $/10^{-4}\text{mol dm}^{-3}$	$k_{\text{obs}}/10^5\text{s}^{-1}$	$[\text{NFA}]$ $/10^{-4}\text{mol dm}^{-3}$	$k_{\text{obs}}/10^5\text{s}^{-1}$
0.37	2.56	0.16	5.22	0.29	3.08	4.35	87.50
0.38	3.44	1.55	8.06	0.58	3.43	43.50	153.0
0.55	3.20	15.5	12.7	1.55	5.01		
0.73	4.64			3.45	7.78		
0.76	4.61			5.75	10.20		
1.47	4.75			7.73	12.60		
3.02	8.57						
3.66	7.93						
7.33	9.34						
11.00	10.30						
34.60	11.70						
37.80	11.60						
43.20	11.50						