

ADDITIONS AND CORRECTIONS

2000, Volume 104A

Frederick D. Lewis* and Wilfried Weigel: Excited State Properties of Donor–Acceptor Substituted *trans*-Stilbenes: The *meta*-Amino Effect

Page 8149. The vertical spacing between data entries in Table 3 is incorrect. A corrected version of the table appears below.

TABLE 3: Quantum Yields for Fluorescence and Photoisomerization, Fluorescence Decay Times at 298 and 77 K, Rate Constants for Fluorescence Decay, Nonradiative Decay, Intersystem Crossing, and Internal Conversion in Solvents of Different Polarity

compd	solvent	Φ_{fl}	Φ_{ic}	$\tau_{\text{fl}}^{298\text{ K}}$ (ns)	$\tau_{\text{fl}}^{77\text{ K}}$ (ns)	k_{fl} (10^8 s^{-1})	k_{nr} (10^8 s^{-1}) ^a	k_{isc} (10^8 s^{-1}) ^b	k_{ic} (10^8 s^{-1}) ^c
3DS	MC	0.72	0.08	13.0	13.0	0.55	0.21	0.13	
	MTHF	0.33		14.3	15.7	0.23	0.47		
	EtOH	0.18	0.44	12.4	16.9	0.14	0.66	0.70	
	ACN	0.20	0.39	13.1		0.15	0.61	0.56	
4DS ^d	<i>n</i> -hexane	0.030							
	Et ₂ O	0.029		0.1	1.7	2.9	97		
	EtOH	0.035		0.1	1.7 ^e	3.5	96		
	ACN	0.037							
3A3'CS	MC	0.56	0.22	8.4	8.9	0.67	0.52	0.53	<0.01
	MTHF	0.24		8.8	11.9	0.27	0.86		
	EtOH	0.09		8.3	13.4	0.11	1.1		
	ACN	0.18	0.24	11.1		0.16	0.74	0.43	0.31
3DCS	MC	0.64	0.11	13.3	12.9	0.48	0.27	0.17	0.1
	MTHF	0.14		11.5	14.6	0.12	0.75		
	EtOH	0.03	0.26	7.7	16.3	0.043	1.28	0.68	0.58
	ACN	0.05	0.24	13.5		0.038	0.70	0.36	0.35
4DCS ^f	cyclohexane	0.03	0.45	0.085 ^g	1.7 ^h	3.53	114		
	MTHF	0.06	0.4						
	EtOH	0.07	0.5	0.46 ^g	1.7 ⁱ	1.52			
	ACN	0.13	0.4	0.52 ^g		2.5	16.7		

^a $k_{\text{nr}} = 1/\tau_{\text{fl}}(298\text{ K}) - k_{\text{fl}}$. ^b $k_{\text{isc}} = 2\Phi_{\text{ic}}/\tau_{\text{fl}}$. ^c $k_{\text{ic}} = 1/\tau_{\text{fl}}(298\text{ K}) - k_{\text{fl}} - k_{\text{isc}}$, no k_{ic} values are given in ethanol due to H-bonding interactions that contribute to the nonradiative decay. ^d Data from ref 14. ^e Lifetime maximum: 1.9 ns at 200 K. ^f Data from ref 11. ^g Data from ref 19. ^h Data from ref 56 in *n*-hexane. ⁱ Data from ref 13, lifetime maximum: 2.2 ns at 180 K in ethanol.