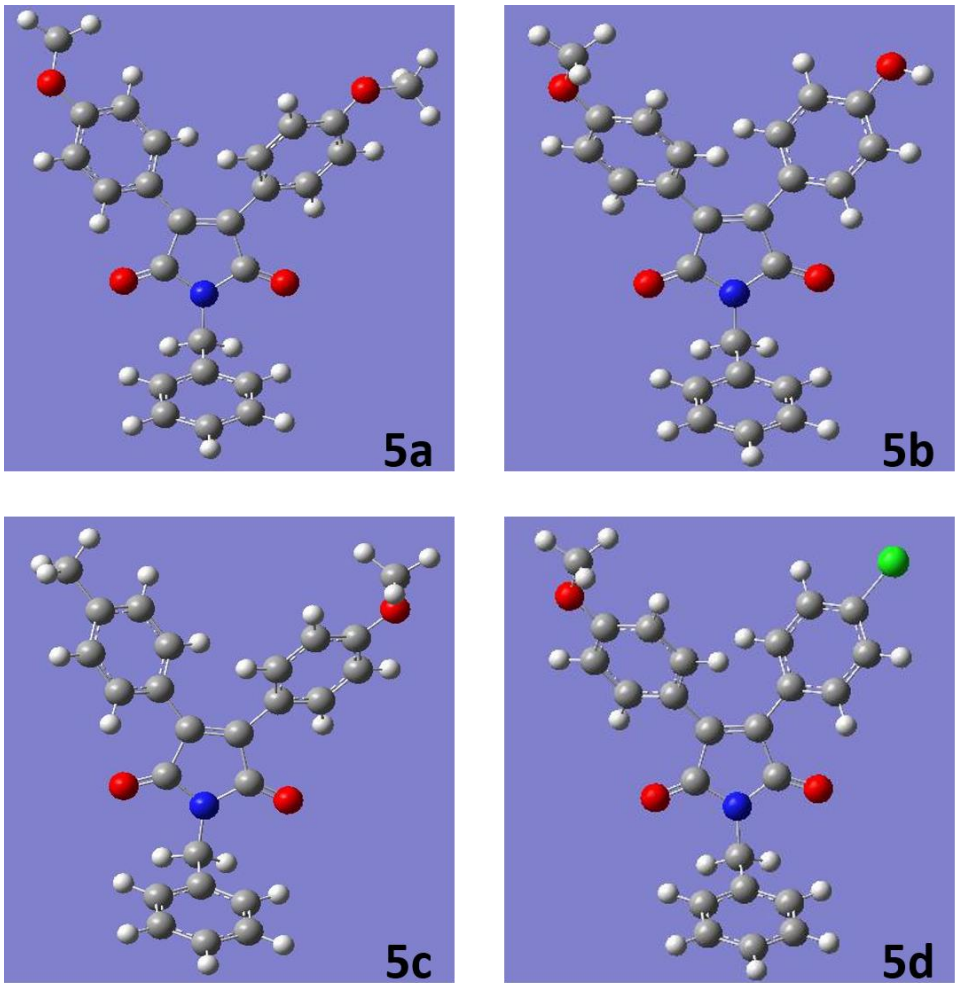
Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences.

Supplementary Information

Fluorescence from bisaryl-substituted maleimide derivatives

Milena Helmer Lauer,[a] Roberta Lopes Drekener,[b] Carlos Roque Duarte Correia[b] and Marcelo Henrique Gehlen*[a]

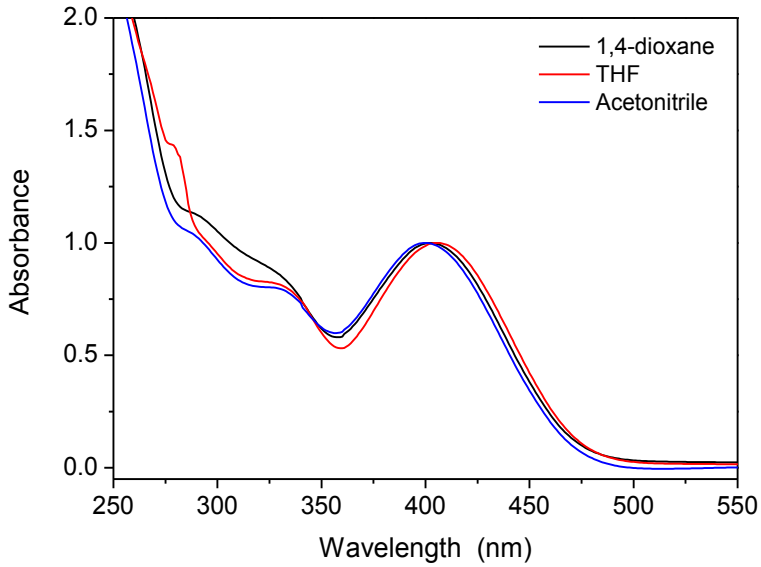
[a] *Institute of Chemistry of São Carlos, University of São Paulo, CEP 13560-590, São Carlos, SP, Brazil.*
[b] *Institute of Chemistry, State University of Campinas, CEP 13083-862, Campinas, SP, Brazil.*
** Corresponding Author. E-mail:* marcelog@iqsc.usp.br *Tel: +55 16 33739928*



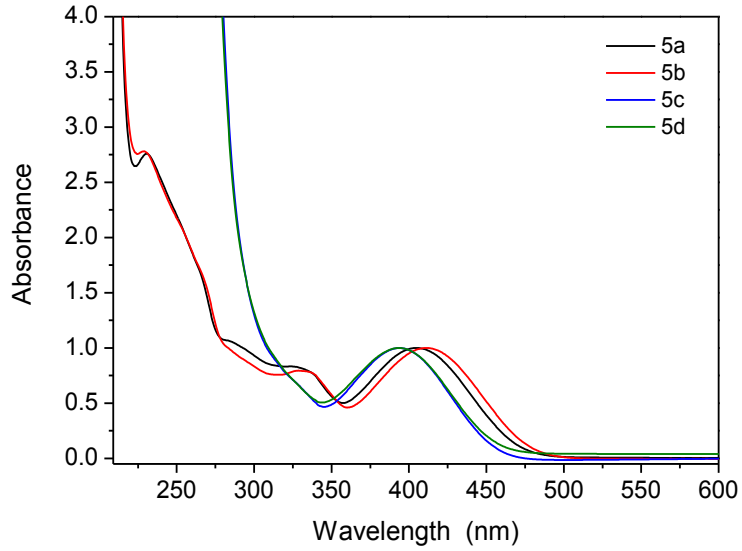
S1. Optimized geometry of maleimide derivatives.

Table S1. Contribution of dipole moments in each direction.

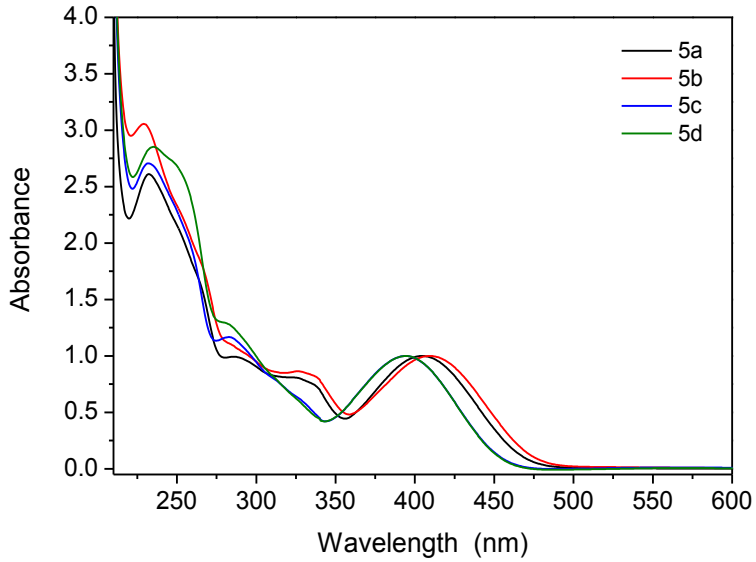
Compound	Axis x (D)	Axis y (D)	Axis z (D)	Total dipole moment (D)
5a	-3.9814	1.5388	-0.2952	4.2786
5b	-2.4939	1.1086	2.6704	3.8183
5c	3.6023	0.6310	1.9853	4.1613
5d	1.8742	1.7808	1.6228	3.0524



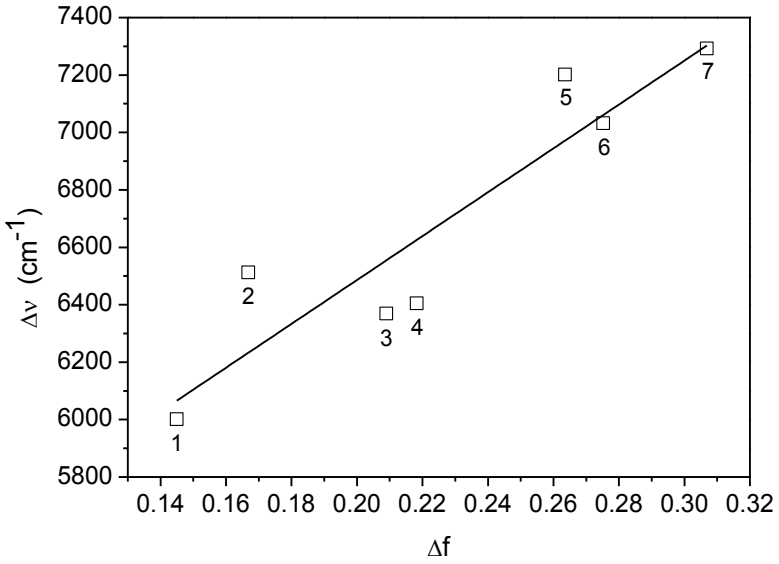
S2. Absorption spectra of **5a** in 1,4-dioxane, THF and acetonitrile.



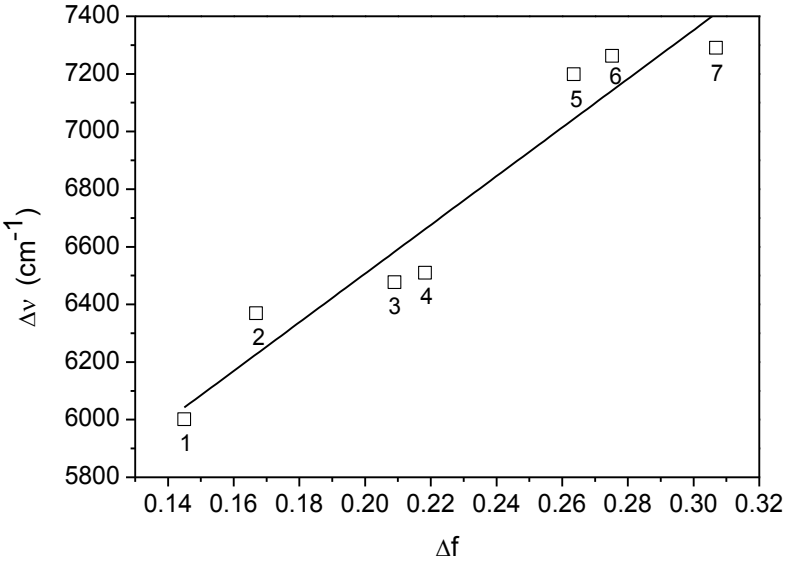
S3. Absorption spectra of all compounds in diethyl ether.



S4. Absorption spectra of all compounds in di-*n*-propyl ether.



S5. Lippert-Mataga plot of compound **5c** according to eq. 3. 1: di-*n*-propyl ether, 2: diethyl ether, 3: THF, 4: CH_2Cl_2, 5: DMSO, 6: DMF, 7: acetonitrile.



S6. Lippert-Mataga plot of compound **5d** according to eq. 3. 1: di-*n*-propyl ether, 2: diethyl ether, 3: THF, 4: CH_2Cl_2, 5: DMSO, 6: DMF, 7: acetonitrile.