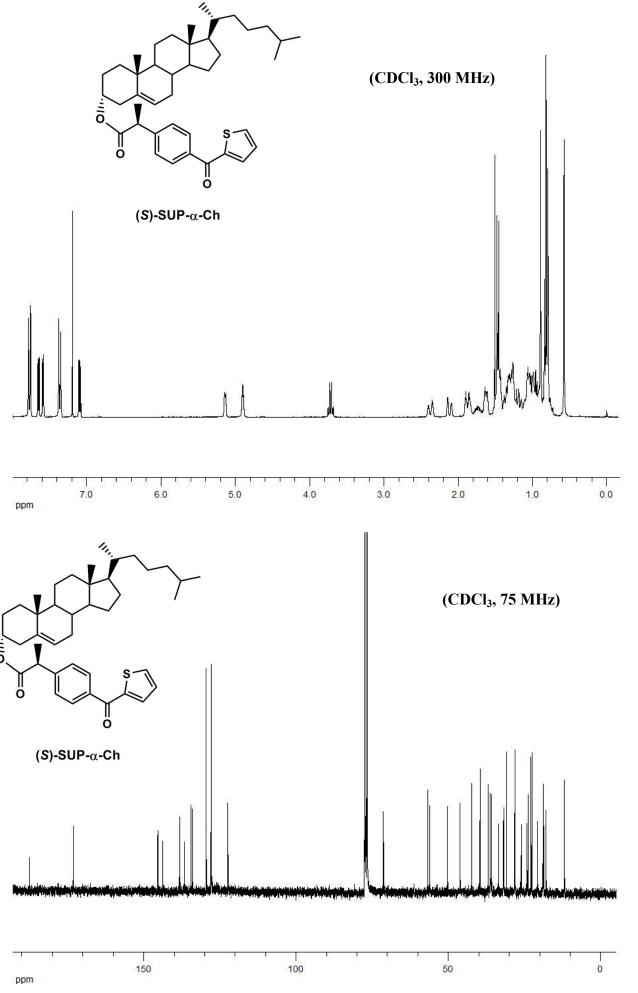
ELECTRONIC SUPPLEMENTARY INFORMATION

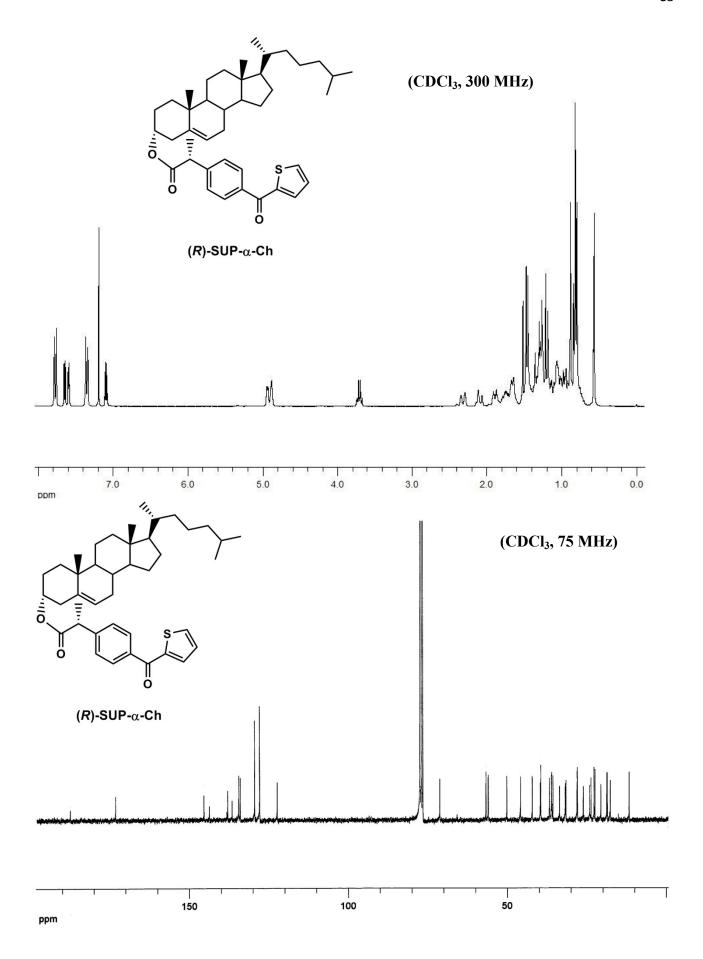
Steric shielding $vs \sigma - \pi$ orbital interactions in triplet-triplet energy transfer

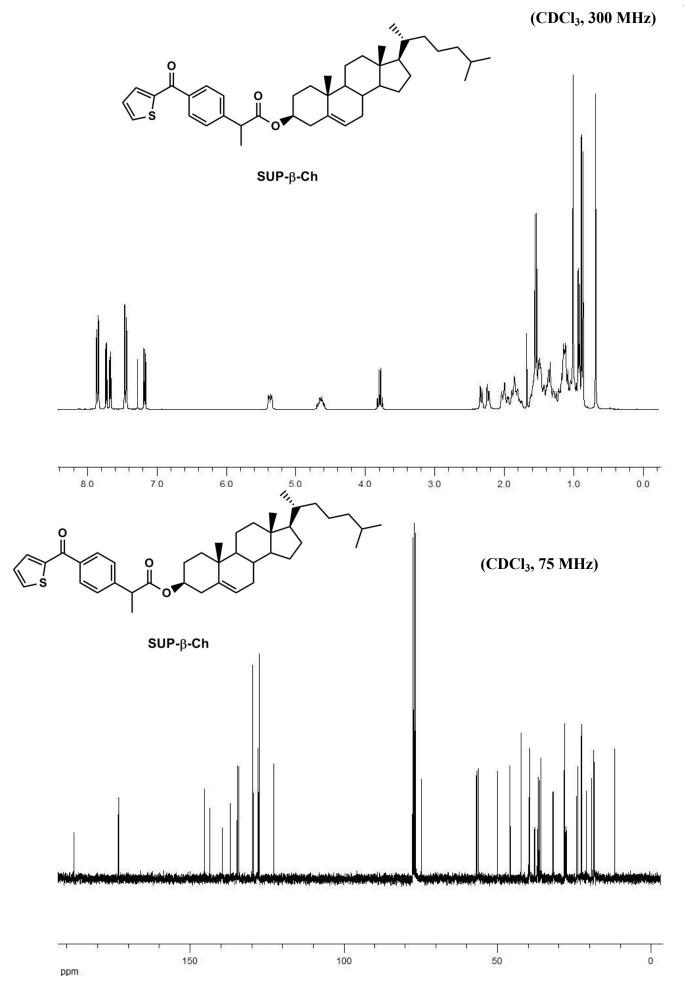
Inmaculada Andreu,^a Isabel Morera,^b Fabrizio Palumbo,^c Germán Sastre,^c Francisco Bosca,^{c,*} and Miguel A. Miranda^{c,*}

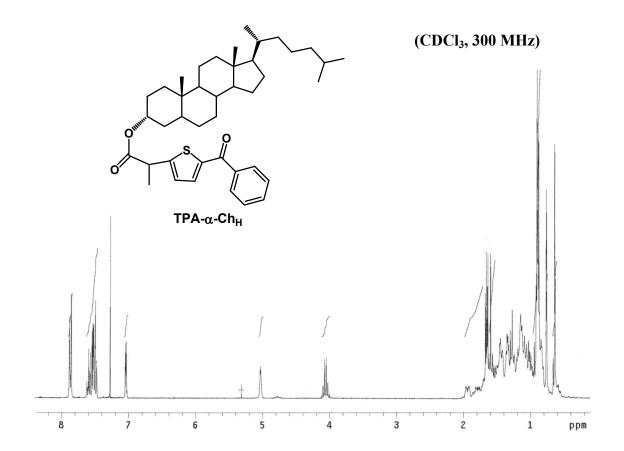
Table of Contents

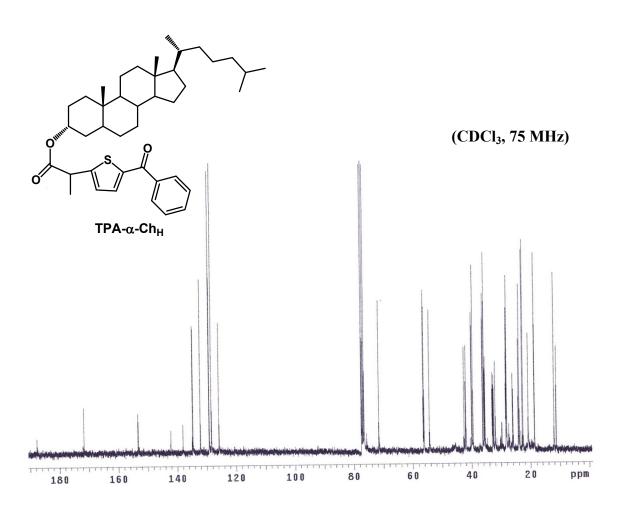
Ι.	¹ H and ¹³ C-NMR spectra of (S)-SUP-α-Ch	S2
2.	¹ H and ¹³ C-NMR spectra of (<i>R</i>)-SUP-α-Ch	S3
3.	¹ H and ¹³ C-NMR spectra of SUP-β-Ch	S4
4.	¹ H and ¹³ C-NMR spectra of TPA- α-Ch _H	S5
5.	Optimized geometries using PBE-D3	S6
6.	Optimized geometries using M062X-D3	S7
7.	Optimized geometries using wB97XD	S8

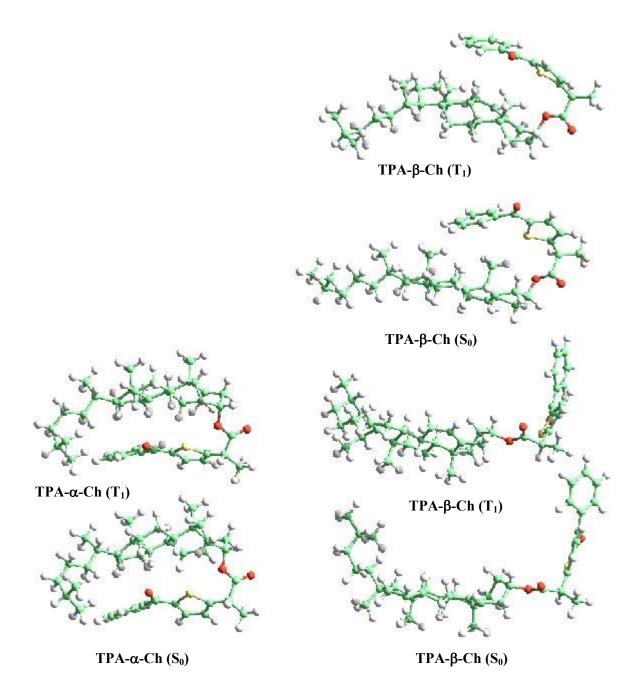




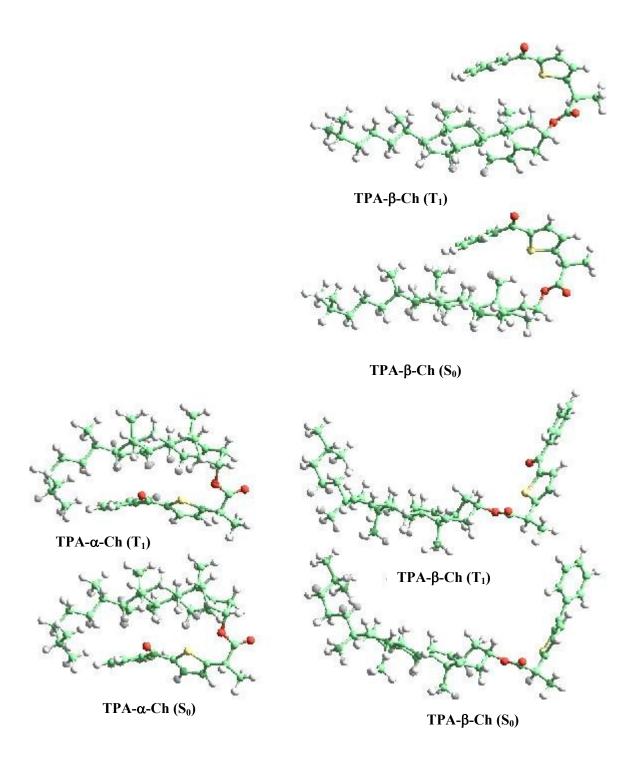




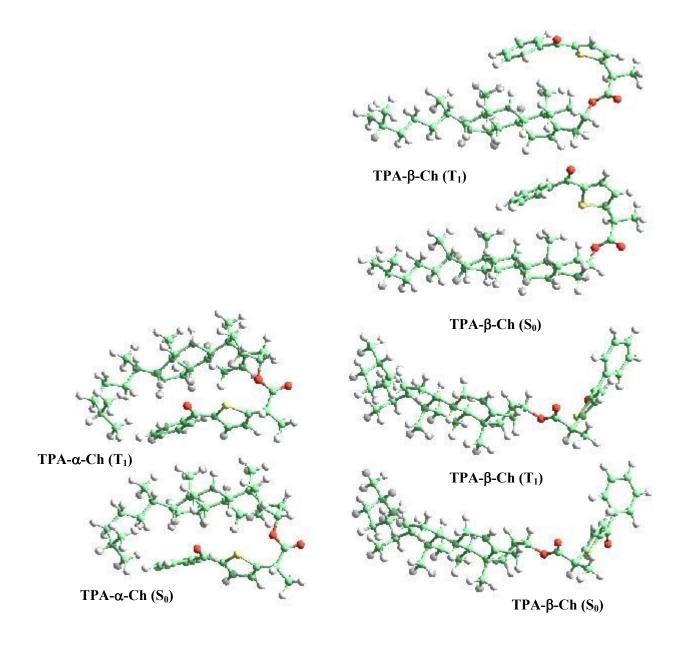




Optimized geometries of ground state (S_0) and triplet excited state (T_1) of TPA- α -Ch and TPA- β -Ch using PBE-D3 functional. The effect of solvent has not been included, but the geometries have also been optimized using dichloromethane as solvent with very similar results. In TPA- β -Ch, folded and unfolded have similar energies and for this reason both conformations have been calculated.



Optimized geometries of ground state (S_0) and triplet excited state (T_1) of TPA- α -Ch and TPA- β -Ch using M062X-D3 functional. The effect of solvent has not been included, but the geometries have also been optimized using dichloromethane as solvent with very similar results. In TPA- β -Ch, folded and unfolded have similar energies and for this reason both conformations have been calculated.



Optimized geometries of ground state (S_0) and triplet excited state (T_1) of TPA- α -Ch and TPA- β -Ch using wB97XD functional. The effect of solvent has not been included, but the geometries have also been optimized using dichloromethane as solvent with very similar results. In TPA- β -Ch, folded and unfolded have similar energies and for this reason both conformations have been calculated.