Supplementary Information

Supramolecular order of stilbenoid dendrons: Importance of weak interactions

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Table 1 ^{1}H NMR data of stilbenoid dendrons **3** ($CDCl_3$, TMS as internal standard)

Compound	$H_{ar,center}$[a]	$H_{ar,focal}$[a]	$H_{ol,focal}$[a]	$H_{ol,inner}$[a]	$H_{ol,outer}$[a]
3a	7.55 (3H)	6.92 (AA'BB', 2H), 7.49 (AA'BB', 2H)	7.01 (d, 1H), 7.15 (d, 1H)	7.14 (d, 2H), 7.19 (d, 2H)	6.96 (d, 2H), 7.03 (d, 2H)
3b	7.54 (2H), 7.58 (1H)	7.25 (m, 3H), 7.62 (m, 1H)	7.03 (d, 1H), 7.41 (d, 1H)	7.16 (d, 2H), 7.20 (d, 2H)	6.96 (d, 2H), 7.03 (d, 2H)
3c	7.52 (3H)	7.28 (1H), 7.38 (2H), 7.55 (2H)	7.14 (d, 1H), 7.21 (d, 1H)	7.14 (d, 2H), 7.20 (d, 2H)	6.97 (d, 2H), 7.03 (d, 2H)
3d	7.50 (2H), 7.56 (1H)	7.40 (AA'BB', 2H), 7.50 (AA'BB', 2H)	7.12 (AB, 2H),	7.13 (d, 2H), 7.19 (d, 2H)	6.96 (d, 2H), 7.03 (d, 2H)
3e	7.54 (2H), 7.59 (1H)	7.60 (AA'BB', 2H), 7.65 (AA'BB', 2H)	7.16 (d, 1H), 7.24 (d, 1H)	7.13 (d, 2H), 7.19 (d, 2H)	6.96 (d, 2H), 7.03 (d, 2H)
3f	7.55 (2H), 7.57 (1H)	7.60 (AA'BB', 2H), 7.82 (AA'BB', 2H)	7.19 (d, 1H), 7.24 (d, 1H)	7.13 (d, 2H), 7.19 (d, 2H)	6.96 (d, 2H), 7.03 (d, 2H)
3g	7.55 (2H), 7.57 (1H)	7.67 (AA'BB', 2H), 7.88 (AA'BB', 2H)	7.20 (d, 1H), 7.28 (d, 1H)	7.13 (d, 2H), 7.18 (d, 2H)	6.96 (d, 2H), 7.03 (d, 2H)

[a] ar = aromatic protons; ol = olefinic protons; inner, outer = inner and outer olefinic protons of the two long stilbenoid arms.

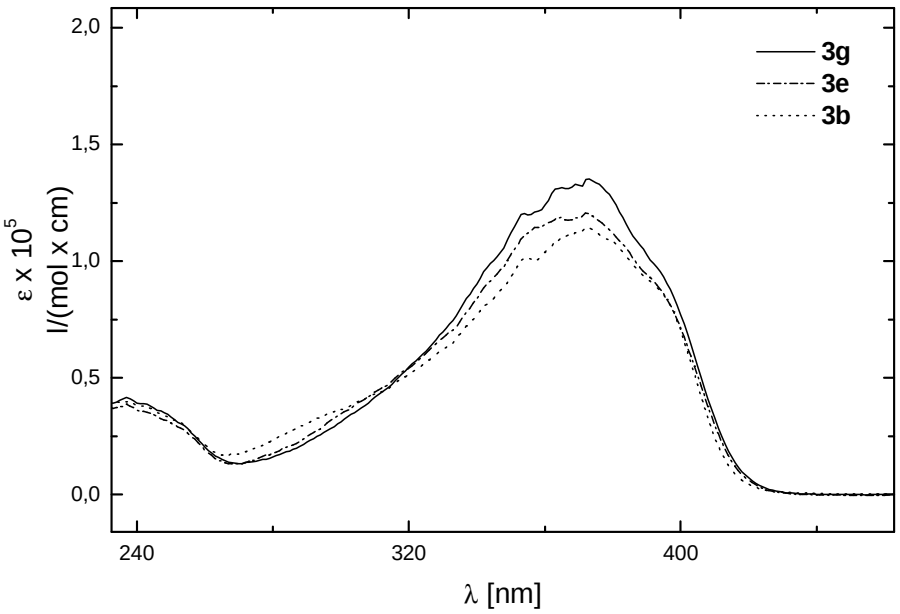

Fig. 1 UV-Vis spectra of **3b**, **3e** and **3g**, measured in CH_2Cl_2 solution.

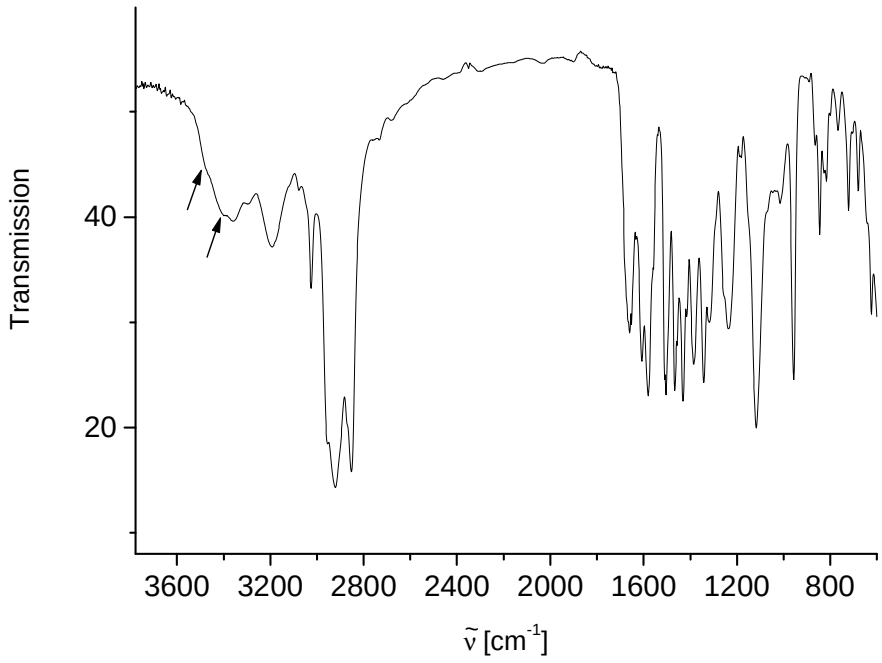

Fig. 2 FT-IR spectrum of amide **3f** in a thin film at RT. Signals at 3356 and 3196 cm^{-1} indicate the H-bonded amides. Shoulders at 3480 and 3400 cm^{-1} (arrows) point to the presence of NH functions which are not involved in H-bonds.