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Stiblene Derivatives

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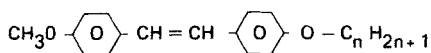
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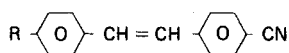
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STILBENE DERIVATIVES

• Trans-stilbenes

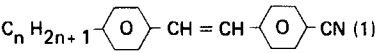


n	K	(S)	(N)	I	Ref.
4	• 169 9.48	—	• 162 0.181	•	6
5	• 162 9.84	—	• 154 0.187	•	6
6	• 157 9.89	—	• 153 0.189	•	6
7	• 150 10.22	—	• 148 0.159	•	6
8	• 151 10.02	—	• 146 0.232	•	6
12	• 142 14.02	• 136 5.23	—	•	6



R	K	S _A	N	I	Ref.
n.C ₇ H ₁₅ O	• 72 9.3	• 83	• 125	•	13

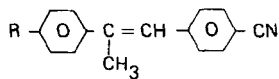
4-alkyl-4'-cyanostilbenes



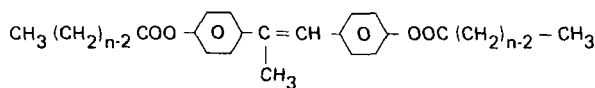
n	K	S ₁	S ₂	N	I	Ref
5	• 55.5 2.6	—	—	• 101 0.15	•	6 bis
6	• 54.5 5.2	—	—	• 89.5 0.10	•	6 bis
7	• 61 3.9	—	• 62 # 0	• 91 0.10	•	6 bis
8	• 52 81	• 57.5	• 80 0.06	• 89 0.14	•	6 bis
	• 49 3.2	—	• 74.5	• 85	•	13
9	• 58 4.7	—	• 95 0.23	• 96.5 0.37	•	6 bis
10	• 47.8 8.7	—	• 95.8 0.52	—	•	6 bis

(1) ΔH from graphical results.

• α -methyl trans-stilbenes



R	K	N	I	Ref.
$n\text{-C}_7\text{H}_{15}\text{O}$	• 72 10.2	• 82	•	13
$n\text{-C}_8\text{H}_{17}$	• 39 5.0	• [37]	•	13



n	K(1)	S ₂	S ₁	N	I	Ref.
2	• 123.4	—	—	• [114.3] 0.24	•	13 bis
3	• 107	—	—	• 113 0.14	•	13 bis
4	• 52.4	—	—	• 109.8 0.18	•	13 bis
5	• 50	—	—	• 88.5 0.15	•	13 bis
6	• 52.8 4.76 (7.07)	—	—	• 94.7 0.26	•	13 bis
7	• 53.5 9.21	—	• 68.1 0.21	• 88 0.30	•	13 bis
8	• 61.7 6.16 (8.84)	—	• 82.7 0.39	• 91.5 0.47	•	13 bis
9	• 60.3 5.87 (9.63)	—	• 85.6 0.87	• 88.2 0.55	•	13 bis

n	K	S ₂	S ₁	N	I	Ref.
10	• 68.6 7.21 (8.98)	—	• 92 1.93	—	•	13 bis
11	• 68.2 7.47 (10.2)	—	• 91.7 2.41	—	•	13 bis
12	• 75.5 9.03 (12.0)	—	• 93.5 2.73	—	•	13 bis
13	• 78.5 9.28 (11.14)	• [75.9] 2.16	• 95 3.00	—	•	13 bis
14	• 81.5 9.89 (14.25)	• [78.5] 2.53	• 94.7 3.31	—	•	13 bis
15	• 84.1 10.0 (15.3)	• [82.9] 3.31	• 95 3.61	—	•	13 bis
16	• 88.2 11.1 (17.0)	• 94.4 3.86	—	—	•	13 bis

(1) The enthalpies of fusion between brackets correspond to the first melting.