

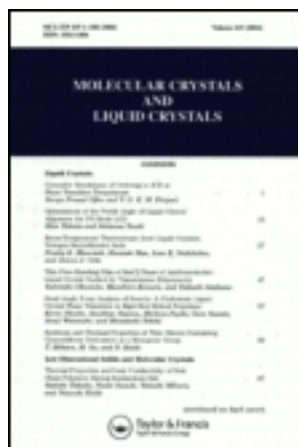
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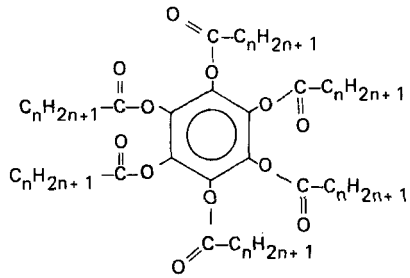
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DISCOTIC MESOGENS

— Hexa—n—alkanoates d'hexaphenol

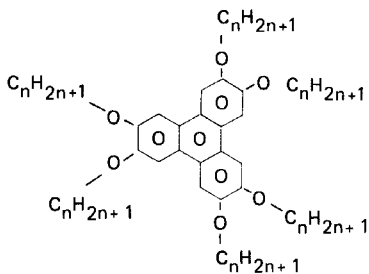


n	K ₂		K ₁		D _B		l	Ref.
5*	•	75.7 3.8	•	94.5 7.9	—		•	112
6*	—		•	81.2 7.6	•	87.0 5.3	•	112
7	—		•	79.8 10.7	•	83.4 4.5	•	112
8	—		•	80.4 16.7	•	[76.6] 3.4	•	112
9	•	50.5 10.4	•	85.5 20.7	—		•	112

For the structure of the discophase, see Ref. 238

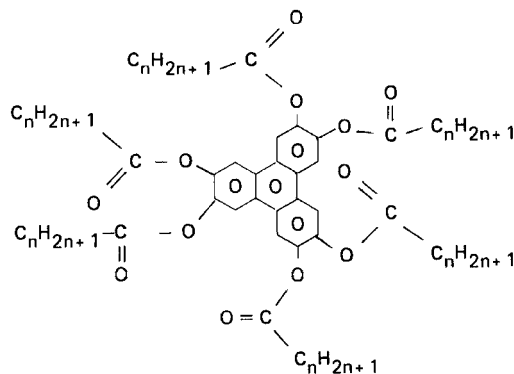
n	K ₄		K ₃		K ₂		K ₁		D _B		l	Ref.
5	•	− 21.42 6.139	•	18.46 2.935	•	75.27 3.890	•	95.74 8.038	—		•	228
6	•	− 144 0.268	•	− 50.20	•	− 42.19	•	80.79	•	86.28	•	228
				2.75				7.706		5.133		

— Hexa—*n*—alkoxy triphenylene



n	K	D_E	I	Ref.
3	• 177 4.03	—	•	113
4	• 88.6 5.52	• 145.6 4.50	•	113
5	• 69 7.80	• 122 2.04	•	113
	• 69 7.76	• 122 1.94	•	114
6	• 68 8.68	• 97 0.86	•	113
7	• 68.6 14.4	• 93 1.20	•	113
	• 68 13.6	• 92.5 1.12	•	114
8	• 66.8 19.92	• 85.6 1.04	•	113
9	• 57 17.0	• 77.6 0.64	•	113
10	• 58 17.0	• 69 0.46	•	113

For the structure of the discophase, see Ref. 222

— Hexa-*n*-alkanoates of—triphenylene

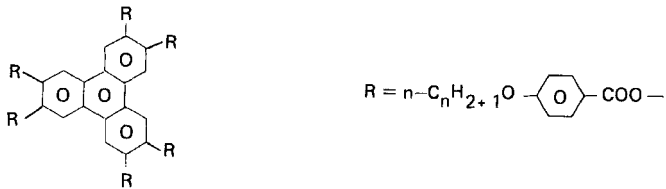
<i>n</i>	<i>K</i> ₁	<i>K</i> ₂	<i>D</i> _B	<i>I</i>	Ref.
3	—	• 230 4.58	—	•	113
4	—	• 193 4.67	—	•	113
5	• 134 2.8	• 146 5.9	—	•	113
6	—	• 108 3.46	• 120 0.756	•	113
7	—	• 66 4.72	• 126 0.683	•	113
8	—	• 62 6.11	• 125 0.622	•	113

For the structures of the discophases, see Ref. 222

n	K	$\mathcal{D}_B$	$\mathcal{D}_A$	I	Ref.
9	• 75 11.3	—	• 125.5 0.697	•	113
10	• 67 12.0	• 108 0.026	• 121.5 0.300	•	113
11	• 79 12.5	• 109 0.029	• 120 0.245	•	113
12	• 80 17.0	• 92	• 103 0.2	•	113
13	• ?	• 55.5	• 106	•	113
	• 86 27.2	• 97	• 111	•	115

For the structures of the discophases, see Ref. 222

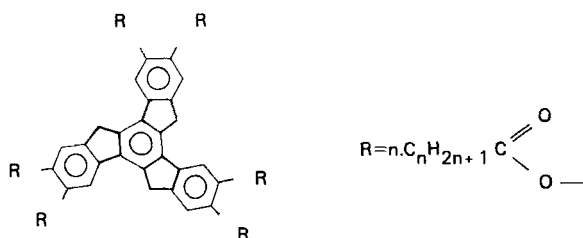
– Hexa-*n*-alkoxybenzoates of triphenylene



n	K ₁	K ₂	K ₃	D _G	D _B	D _F	I	Ref.
5	–	–	•	224 4.55	–	–	• 298	• 226
6	• 145 2.15	• 183 0.37	• 186 0.24	• 193 1.12	–	• 274	•	226
11	–	–	• 145 5.99	–	• 179 1.21	• 185 0.054	•	226

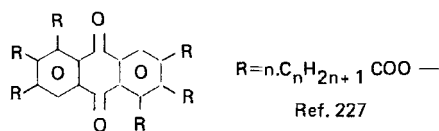
For the structures of the discophases, see Ref. 222

• Hexa-alkanoates of truxene

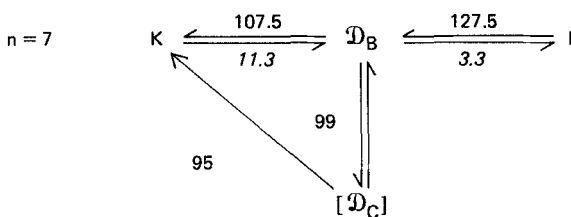


n	K	D_F	D_1	D_2	I	Ref.
6	• 112 3.57	• [96]	• 138.5	• > 280	•	162
7	• 98 9.8	• [98]	• 158	• > 280	•	162
9	• 68 3.58	• 85.5 0.147	• 138	• > 280	•	162

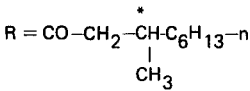
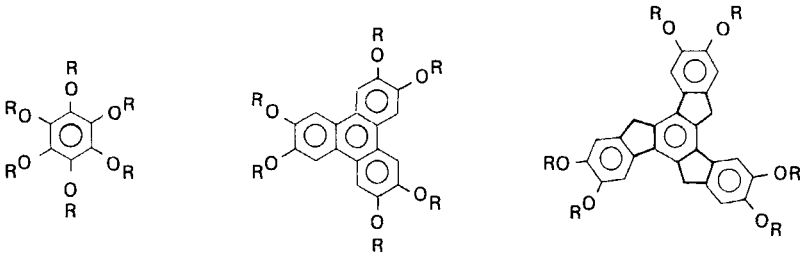
• Hexa-alkanoate of rufigallol



Ref. 227



● Chiral discotics



Compound	K ₁		K ₂		D ₁	D ₂		I	Ref.
1 (+)	•	55 4.24	•	89 8.22	—	—		•	229
1 (—)	•	55 4.30	•	89 8.10	—	—		•	229
2 (+)	—		•	59 5.98	•	?	(1)	•	229
2 (—)	—		•	59 5.90	•	64.5 0.016	•	97.5 1.06	229

(1) Only observed by microscopic observations at 59°C.