

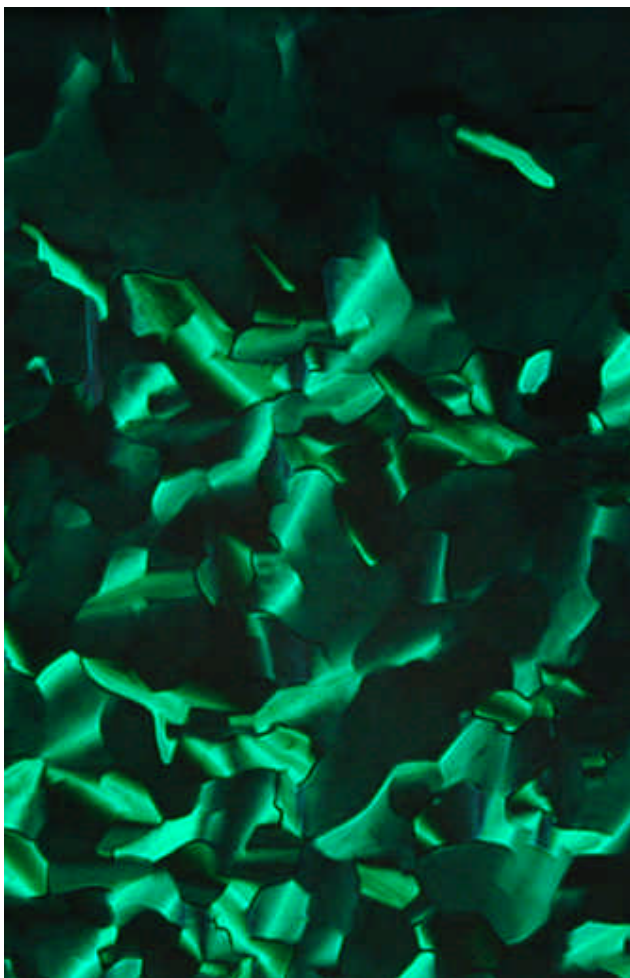


Fig. S1 Optical texture of **6a** observed at 25°C (Magnification x 40).

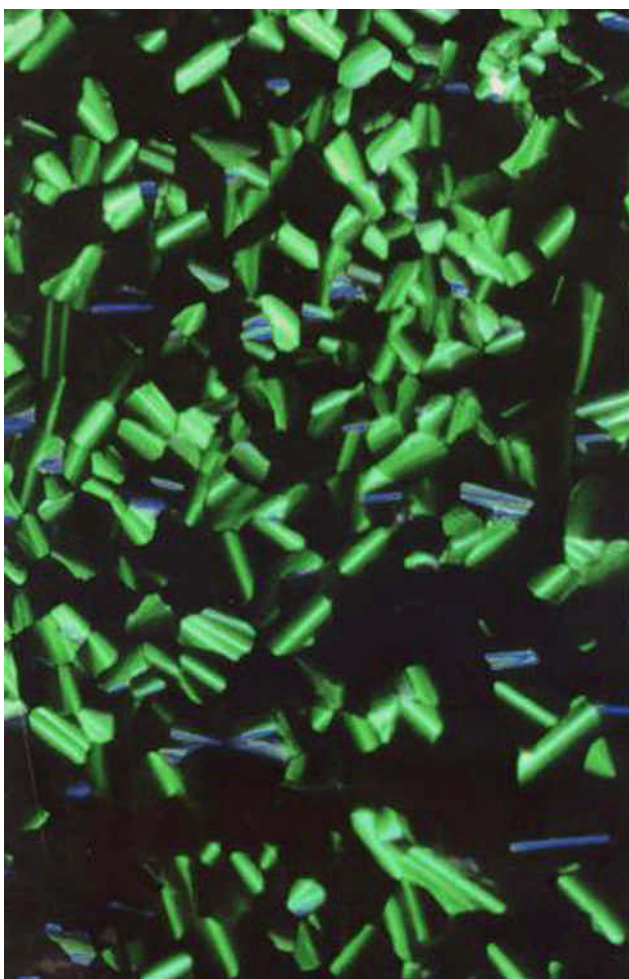


Fig. S2 Optical texture of **8a** observed at 25°C (Magnification x 25).

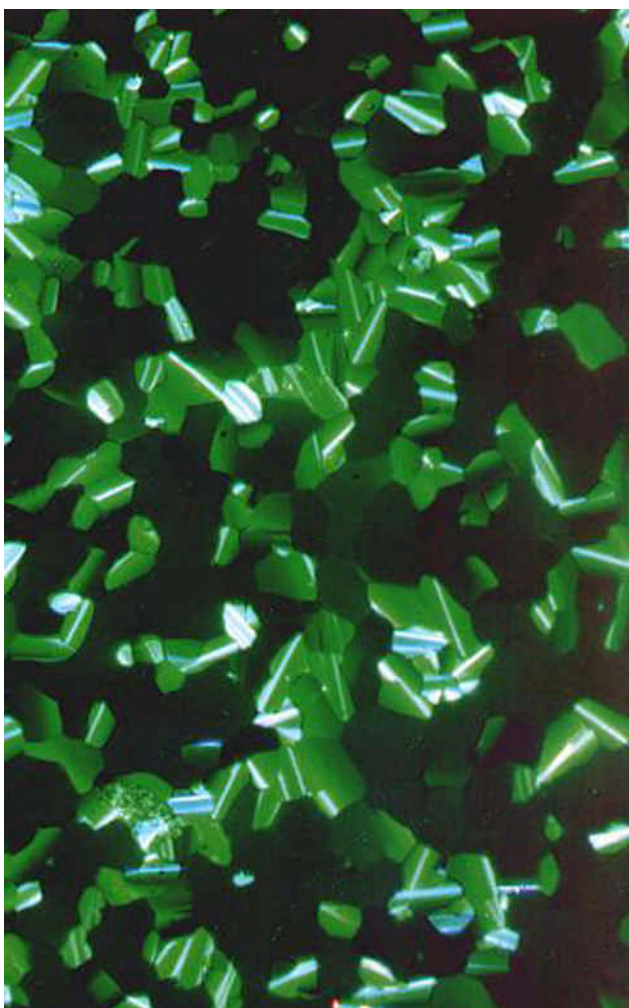


Fig. S3 Optical texture of **8b** observed at 25⁰C (Magnification x 16).

Table S1 ¹H NMR spectral data for the starting materials and phthalocyanines in CDCl₃

Compound	CH ₃	OCH ₂ and CH	ArH	Others
2	1.21(t, 6H)	3.47-3.69(m, 24H); 4.69(m, 1H)	7.30(d,2H); 7.79(d,2H)	2.44(s, 3H, ArCH ₃)
3	1.21(t, 6H)	3.39-3.84(m, 24H); 3.16(m, 1H)	-	1.93(d,1H, SH)
6	1.14(t, 6H)	3.36-3.86(m, 25H)	7.66(s, 1H); 7.91(s, 1H)	-
7	1.20(t, 12H)	3.47-3.86(m, 50H)	7.81(s, 2H)	-
8	1.21(t, 12H)	3.44-3.91(m, 25H)	7.67(m, 2H); 7.79(d, 1H)	-
6a	1.11(t, 24H)	3.44-4.10(m, 100H)	8.61-9.15(br,m, 8H)	-
6b	1.12(t, 24H)	3.38-4.14(m,100H)	8.65-9.30(br,m, 8H)	-3.24(br,s, NH)
7a	1.12(t, 48H)	3.38-4.10(m, 200H)	9.44(s, 8H)	-
7b	1.12(t, 48H)	3.34-4.16(m, 200H)	9.51(s, 8H)	-3.01(br,s, NH)
8a	1.12(t, 24H)	3.43-4.02(m, 100H)	7.93-8.05(br,m, 4H) 8.67-8.90(br,m, 8H)	-
8b	1.14(t, 24H)	3.33-4.04(m, 100H)	8.03-8.14(br,m, 4H) 8.80-9.08(br,m, 8H)	-3.03(br,s, NH)

Table S2 ^{13}C - NMR spectral data for the starting materials and the phthalocyanines in CDCl_3

Compound	CH_3	CH	OCH_2	Aromatic CH	Aromatic C	Others
2	15.69	79.68	66.62, 69.68, 70.39 70.71, 70.94, 72.54	128.02, 129.60	134.15, 144.50	21.62(ArCH ₃)
3	15.12	39.27	66.60, 67.72, 69.82 70.41, 70.65, 72.75	-	-	-
6	15.16	46.95	66.61, 68.58, 69.79 70.72, 71.10, 71.67	131.14, 133.15	111.35, 114.08 136.59, 146.37	114.56(CN) 114.84(CN)
7	15.20	47.74	66.66, 68.51, 69.87 70.52, 70.79, 71.05	131.38	111.70, 144.36	115.53(CN)
8	15.20	47.67	66.68, 68.71, 69.87 70.55, 70.79, 71.06	131.94, 132.17 133.19	111.20, 115.18 146.32	115.53(CN) 116.06(CN)
6a	15.16	47.40 48.20	66.59, 69.88, 70.79 71.10, 72.20	122.36, 125.83	134.35, 136.47, 137.92 138.21, 143.01, 143.73	-
6b	15.08	47.31 48.10	66.51, 69.81, 70.75 71.06, 71.32	123.38, 125.74	134.14, 136.56, 138.18 139.21, 149.10, 150.18	-
7a	15.16	48.20	66.57, 69.89, 70.64 70.79, 71.05	124.80	135.72, 140.54, 146.21	-
7b	15.72	48.25	66.55, 69.86, 70.65 70.79, 71.05	125.52	135.17, 141.07, 151.02	-
8a	15.11	48.45 48.65	66.54, 69.82, 70.65 70.79, 71.05	121.91, 123.32 123.75, 131.61	134.15, 136.36, 137.58 143.87, 144.16	-
8b	15.17	48.52 48.72	66.62, 69.89, 70.62 70.81, 71.02	123.07, 124.27 124.73, 132.13	134.13, 136.53, 138.66 148.70, 149.02	-