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We report on the selective imaging of different director fields in a biaxial smectic A (SmA) liquid crystal using Fluorescence Confocal Polarizing Microscopy (FCPM) and Polarizing Microscopy (PM). The patterns of two directors, namely the director \hat{a} perpendicular to the lamellae and the director \hat{b} in their planes are visualized by doping the liquid crystal with two fluorescent dyes.

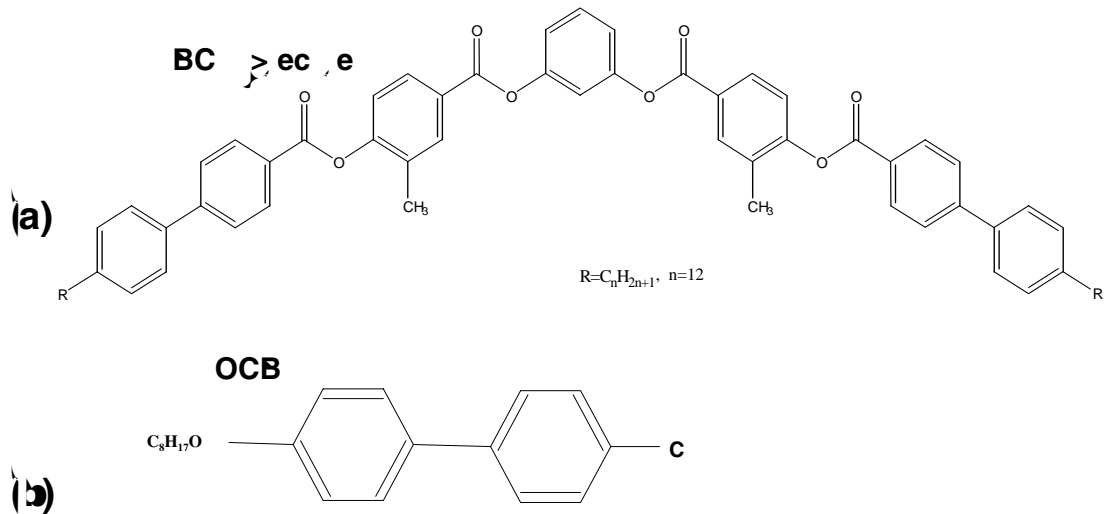
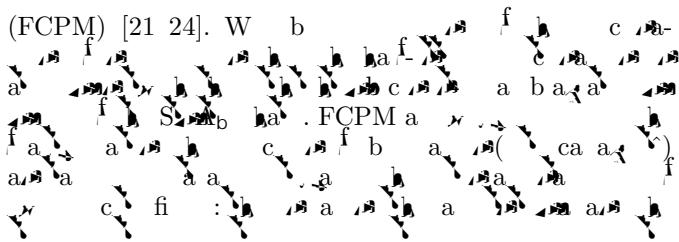
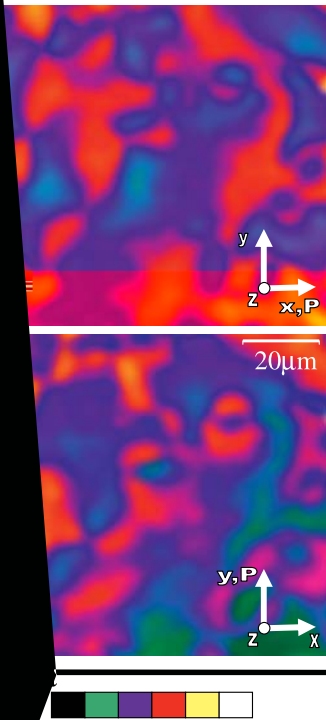


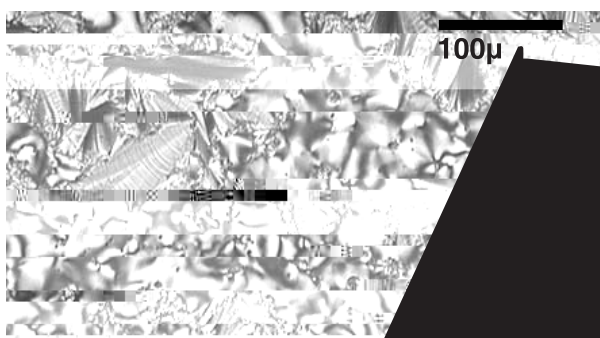
Fig. 3. Molecular structures of the liquid crystal compounds of the BC-R mixture: BC12 (a), 8OCB (b).



The $DO_{18}(3)$ [35]. For $4b$, B $DO_{18}(3)$ $\hat{P}_{\perp a}$ $\hat{P}_{\parallel a}$,
 $A_{II}/A_{\perp} \approx 0.63$, $\hat{P}_{\perp a}$ $\hat{P}_{\parallel a}$. We ac .

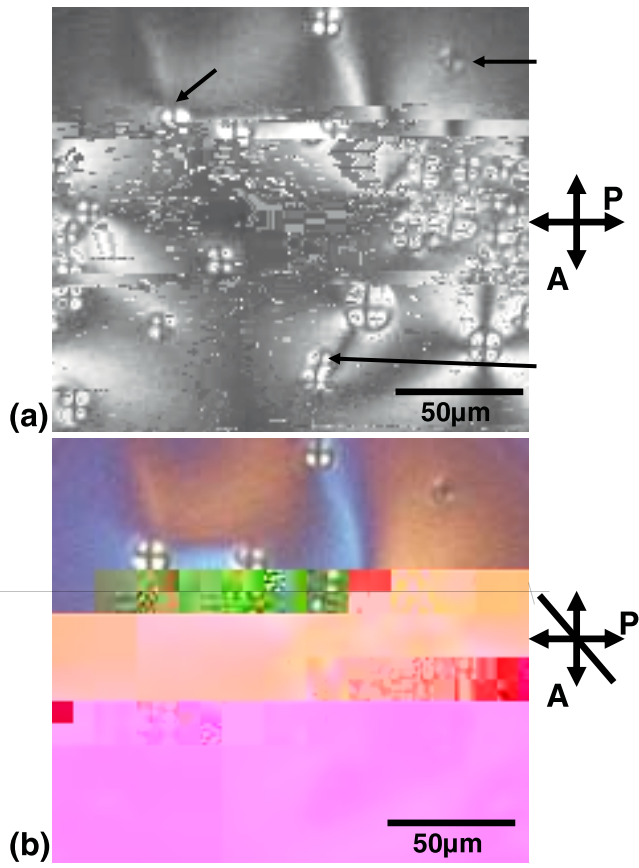


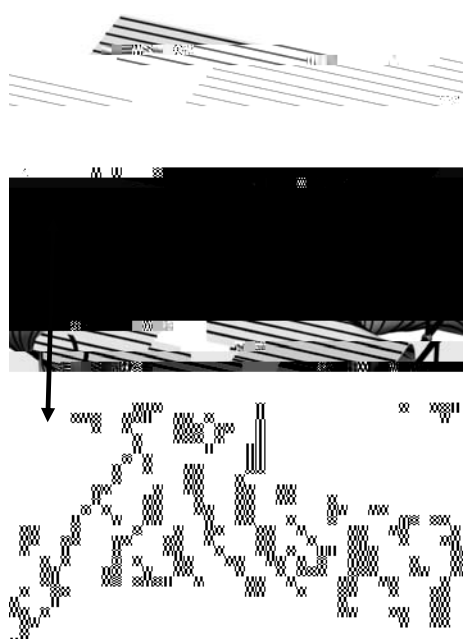
(a)

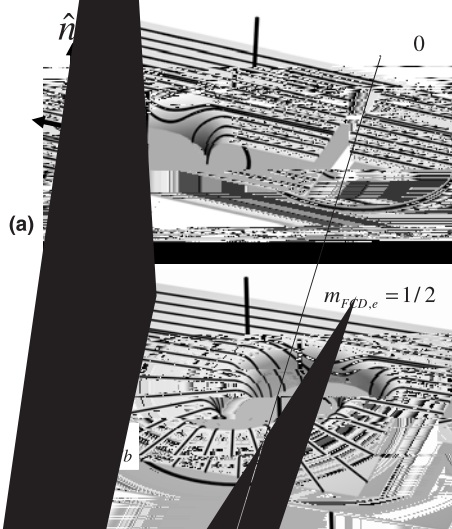


(b)









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