

SPECTRAL AND ELECTROOPTICAL
PROPERTIES OF DOPED IONIC
LYOTROPIC LIQUID CRYSTALS

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S u m m a r y

We study doped ionic lyotropic liquid crystals (DILLC) induced on the base of water solutions of salts of alkanooate acids with introduced polymethine dyes. Absorption and luminescence spectra of DILLC with the smectic structure (Sm A) and electrooptical properties of the cells containing DILLC are investigated. Conclusions concerning the character of the interionic interaction in DILLC and the used dyes are drawn on the base of experimental data.