

Electric-field-induced reorientation of a ferroelectric liquid crystal with a tolane ring, (S)-4-methylhexyl-4-[4-(decyloxy) phenylethynyl]-2-fluorobenzoate studied by time-resolved FT-IR.

Autorzy

K. Taniike
N. Katayama
T. Sato
Yukihiro Ozaki
Mirosław A. Czarnecki
M. Satoh
T. Watanabe

A. Yasuda

Rok wydania

1997

Czasopismo

Microchimica Acta

Numer woluminu

14

Strony

581-583

DOI

10.1007/978-3-7091-6840-
0_145

Kolekcja

Naukowa

Język

Angielski

Streszczenie

The electric-field-induced reorientation of (s)-4-methyl-hexyl-4-[4-(decyloxy)phenylethynyl]-2-fluorobenzoate in the chiral smectic C (Sc*) phase under various conditions have been studied by time-resolved FT-IR spectroscopy. The time-resolved spectra reveal that the reorientation occurs immediately after the electric field is applied. Of particular note is that the c-o Stretching band, strong in the IR spectra, is very weak in the time resolved difference spectra.

Słowa kluczowe

liquid crystals, time-resolved spectroscopy, FT-IR.

Adres publiczny

https://link.springer.com/content/pdf/10.1007/978-3-7091-6840-0_145.pdf

Strona internetowa wydawcy

<http://link.springer.com>

Typ publikacji

Artykuł

Plik został wygenerowany dnia 2026-04-21 23:17:21

Adres w repozytorium <https://old.chem.uni.wroc.pl/pl/repozytorium/qjGc1BS>.