

Liquid-crystalline polymorphism of 4-alkyloxybenzylidene-4'-alkyloxyanilines and nonlinearity of their phase diagrams with different standards.

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Rok wydania

2013

Czasopismo

Thermochimica Acta

Numer woluminu

552

Strony

131-136

DOI

10.1016/j.tca.2012.11.014

Kolekcja

Naukowa

Język

Angielski

Typ publikacji

Artykuł

Streszczenie

This article presents the summary of our investigations of liquid-crystalline polymorphism of asymmetrical 4-alkyloxybenzylidene-4'-alkyloxyanilines. The existing type of mesophases was confirmed by Sackmann–Demus miscibility method. In this paper the influence of the polarity and the structure of the mesophases standards on the topology of phase diagrams are broadly discussed. Additionally we present X-ray investigations of two derivatives.

Słowa kluczowe

liquid crystals, nematic, simectics, Schiff bases, phase diagrams, phase transitions, XRD

Adres publiczny

<http://dx.doi.org/10.1016/j.tca.2012.11.014>

Strona internetowa wydawcy

<http://www.elsevier.com>