



Liquid crystalline polymorphism of methyl and ethyl *trans*-4-[[4'-(alkanoyloxy)phenyl]diazeryl]benzoates.

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Streszczenie

Authors present two new homologous series of liquid-crystalline compounds, methyl and ethyl 4-[[4-(alkanoyloxy)phenyl]diazeryl]benzoates, synthesis and investigation of their mesogenic properties. In the methyl series only nematic phase was detected and in the ethyl series nematic and smectic mesophases. Influence of the alkyl chain length on the phase transition temperatures and their entropic values are discussed and compared with literature data.

Adres publiczny

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Strona internetowa wydawcy

<http://www.ifpan.edu.pl>