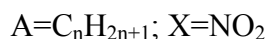
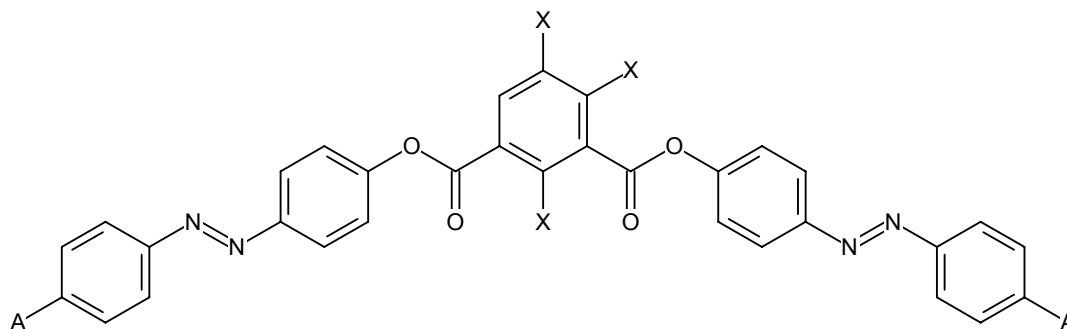


Influence of the nitro group position on the liquid-crystalline polymorphism of symmetrical azobananas: bis(4-alkyl-4'-hydroxyazobenzene) nitroisophthalates

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Three series of azobananas are investigated with the nitro group in the 2, 4 and 5 position.



The most interesting polymorphism show the first series [1]. Except the nematic mesophase interesting, banana-type, mesophases were detected. The second family is monomorphic with one banana-type mesophase. The third group of compounds have no mesophases. Structure and dielectric properties of investigated mesophases are presented. These results are compared with the other derivatives of nitro-isophthalic acids [2,3].

References:

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