

Rod-Like Mesogenic Boron Difluoride Complexes Derived from Schiff Bases

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Abstract

In this work, one new series of boron difluoride complexes 1a and 1b derived from enamine 2a and 2b was reported. All compounds were characterized by ¹H and ¹³C NMR spectroscopy, elementary analysis, polarized optical microscope, differential scanning calorimeter and X-ray diffraction methods. Both 2a and 2b were not mesogenic. In contrast, both 1a and 1b exhibited smectic and/or nematic mesogenic properties.

Keywords –*Liquid crystal, Smectic, Nematic phases, Borondifluoride, Schiff bases*

References

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