FOUR RING ACHIRAL FERROELECTRIC LIQUID CRYSTALS OF 1,2,4-OXADIAZOLES: SYNTHESIS AND CHARACTERISATION

Mahabaleshwara S.^{a,b}, Poornima Bhagavath^a, Sangeetha G. Bhat^a, S. R. Girish^a, D. M. Potukuchi^c and Srinivasulu Maddasani^{a*}

^aDepartment of Chemistry, Manipal Institute of Technology, Manipal University
Manipal – 576 104, India, s.maddasani@manipal.edu

^bSyngene International Ltd., Biocon Park, Bommasandra, Bangalore 560 099.

^cDepartment of Physics, University College of Engineering
Jawaharlal Nehru Technological University: Kakinada, Kakinada – 533 003, India.

Fig. 1: ¹H NMR of 3a

File : D:\DATA\MAR2013\A646579.D
 Operator : GCMS
 Acquired : 20 Mar 2013 5:39 using AcqMethod HP-1MS-3
 Instrument : Instrumen
 Sample Name: IS09007-C02
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 Vial Number: 4

Fig. 2: GCMS of **3a**

Fig. 3: ^1H NMR of **4e**

Fig. 4: ^1H NMR of **1**

Fig. 5: ¹H NMR of **5a** (C₈.Ox.FBP.C₈)

Fig. 6: ¹H NMR of 5c (C₈.Ox.FBP.C₁₂) Fig. 7: ¹³C NMR of 5c (C₈.Ox.FBP.C₁₂)

Fig. 8: POM textures exhibited by **5a** (C₈Ox.FBP.C₈) at different temperatures

Fig. 9: POM textures exhibited by **5d** (C₈Ox.FBP.C₁₅) at different temperatures

Fig. 10: DSC Thermograms of **5c** (C₈.Ox.FBP.C₁₂) at 5 °C/min.

Fig. 11: DSC Thermograms of **5c** (C₈.Ox.FBP.C₁₂) at 5 °C/ min
(Expanded region between 160 °C to 180 °C)

Fig. 12: DSC Thermograms of **5a** – **5e** compounds ($C_8.Ox.FBP.C_n$) at 10 °C/ min