



Synthesis and Characterization of Ferrocene Derivatives Containing Hydroquinone Unit Exhibiting Mesomorphism

Dinesh N. Navale², Santosh W. Zote³ and M. M. V. Ramana^{1*}

1. Department of Chemistry, University of Mumbai, Vidyanagari, Santacruz (East), Mumbai, 400098, **INDIA**
2. Department of Chemistry, VES College of Arts, Science and Commerce, Chembur, Mumbai, 400071, **INDIA**
3. Department of Chemistry, Sathaye College, Vile Parle (E), Mumbai-400057, **INDIA**

Email: mmvramana@yahoo.co.in

Accepted on 25th June 2015

ABSTRACT

Hydroquinone containing ferrocene derivatives (10a-10d) were synthesized characterized and have been evaluated for their liquid crystalline property by polarizing optical microscopy and differential scanning calorimetry. Compound 10c was found to be mesomorphic while compounds 10a, 10b and 10d were nonmesomorphic.

Keywords: Ferrocene, Hydroquinone, Liquid Crystal, Ferrocenomesogens, Polarizing Optical Microscopy (POM).
