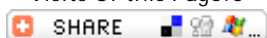




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Research Details :

Research Title	: <u>Synthesis, characterisation and thermal stability of 5-ferrocenylidene-(1, 3-dimethylbarbituric acid)</u> <u>Synthesis, characterisation and thermal stability of 5-ferrocenylidene-(1, 3-dimethylbarbituric acid)</u>
Descriptipn	: Purpose - To discuss synthesis and evaluation of organo-metallic dyes as second-order nonlinear optical (SONLO) material. Design/methodology/approach - New dyes have been synthesised via Knoevenagel reactions of ferrocene carboxyaldehyde and two active methylene compounds. Findings - The ferrocenyl dyes prepared have shown bathochromic shift and thermal stability. Practical implications - These compounds have UV-Vis bathochromic shift, enabling them to be used as SONLO materials as well as dyes. Originality/value - The paper provides further information on the thermal studies of these types of molecules.
Research Type	: Article
Research Year	: 2006
Publisher	: PIGMENT & RESIN TECHNOLOGY Volume: 35 Issue: 5 Pages: 270-277
Added Date	: Saturday, June 14, 2008

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