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## Research Details :

**Research Title :** Synthesis of diethyl 2H-naphtho[2,1,b]pyran-2,3-dicarboxylate and some related compounds as UV absorbers  
Synthesis of diethyl 2H-naphtho[2,1,b]pyran-2,3-dicarboxylate and some related compounds as UV absorbers

**Descriptipn :** Purpose - Synthesis and evaluation of new naphthopyran and related compounds as ultraviolet absorbers.  
 Design/methodology/approach - The new naphthopyran and related compounds were prepared using new synthesis methodology which gave new derivatives via positions not accessible by traditional methods. Findings - A new method for the preparations of naphthopyran was developed. The naphthopyran compounds prepared had promising UV absorption/protection capabilities. Practical implications - The new compounds synthesised had unique character enabling them to be used in applications such as UV absorber and sunscreen. Originality/value - New method of synthesis and the possibility of using the naphthopyran derivatives as UV absorber in many applications.

**Research Type :** Article

**Research Year :** 2005

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