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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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Supervisor : A.M. Asiri; I.M.I. Ismail

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Researchers :

Researcher Name (Arabic)	Researcher Name (English)	Researcher Type	Degree	Email
أ.د. عبد الله بن محمد أحمد عسيري	Abdullah Mohamed Asiri	Researcher	أستاذ	aasiri2@kau.edu.sa
.	I.M.I. Ismail	Researcher	.	.