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## Research Details :

Research Title	: <u><i>Photochromic properties of a vacuum-deposited film of (E)-dicyclopropylmethylene-(2,5-dimethyl-3-furylethyldiene)- succinic anhydride</i></u> <u><i>Photochromic properties of a vacuum-deposited film of (E)-dicyclopropylmethylene-(2,5-dimethyl-3-furylethyldiene)- succinic anhydride</i></u>
Descriptipn	: A yellow-orange film was prepared by vacuum deposition technique under a pressure of $1 \times 10^{-4}$ Pa and a boat temperature of 300 degreesC. Upon irradiation with UV light (366 mn), the yellow-orange film was turned violet, the later color was switched back to the original pail yellow color. When the film was irradiated with light posses a wavelength more than 500 mu. The coloration process was lost when the film was annealed at 80, 100 and 120 degreesC. The rate constant of the coloration process was determined to be $9.8 \times 10^{-4}$ s(-1). (C) 2001 Elsevier Science B.V. All rights reserved.
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