


Curcumin Analogue Spectral, Nonlinear Optical Properties and All-optical Switching Using Visible, Low Power Cw Laser Beams

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[Fadhil A. Tuma](#), [M. J. Ashoor](#), [H. A. Sultan](#), [F. A. Al-Saymari](#), [Qusay M. A. Hassan](#) , [Tahseen A. Alsalim](#),
[C. A. Emshary](#) & [Bahjat A. Saeed](#)

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Abstract

In this study, we conducted the synthesis and diagnosis of compound denoted as 1A3, specifically, (2E,4E,9E,11E)-7-chloro-2,12-diphenyltrideca-2,4,9,11-tetraene-6,8-dione. The photoluminescent and UV-vis spectral properties of this compound are investigated.