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Computational study on the electronic transitions of 14-phenyl-14H-dibenzo[a,j]xanthenes

Anuradha Roy Choudhury, Satya B Paul, S.Choudhury*

Department of Chemistry, Assam University, Silchar-788011, India

Abstract : The present report documents the theoretical study of the electronic transitions in a xanthene derivative, 14-phenyl-14H-dibenzo[a,j]xanthene. The orbitals contributing to the electronic transition are studied. The scope of the work in bring about tailor-made properties has been discussed.

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