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Green Synthesis of Arylmethylene[Bis(5,5-Dimethyl-3-Hydroxy-2-Cyclohexene-1-Ones)] from 5,5-Dimethylcyclohexane-1,3-Dione And Arylaldehydes in Aqueous Medium in Presence of Benzyltriethylammoniumchloride (Tebac)

Sharwan K Dewan* and Anju

*Department of Chemistry, M.D.University, Rohtak-124001 (Haryana), **INDIA**

Email: sharwankumardewan@yahoo.com

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ABSTRACT

A simple and ecofriendly method has been developed for the synthesis of arylmethylene[bis(5,5-dimethyl-3-hydroxy-2-cyclohexene-1-ones)], from 5,5-Dimethylcyclohexane-1,3-dione and aromatic aldehydes using benzyltriethylammoniumchloride (TEBAC) as a catalyst in an aqueous medium at room temperature. The products were obtained in good to excellent yields.

Keywords: Organic synthesis, 5,5-Dimethylcyclohexane-1,3-dione, Arylmethylene[bis(5,5-dimethyl-3-hydroxy-2-cyclohexene-1-ones)], TEBAC.
