

Total synthesis of 1-(2',4',6'-trimethoxy-3',5'-dimethylphenyl)-3-(4-dimethylaminophenyl)-2-propen-1-one

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2,4'-Dihydroxy-6'-methoxy-3',5'-dimethylchalcone(DMC) is a natura compund extracted from plants that has been getting attraction for its pharmacological activies. In this study we report on the total synthesis of 2',4',6'-Trimethoxy-3',5'-Dimethylchalcone derivative starting from phloroglucinol. The final chalcone skeleton structure was synthized through Claisen-Schmidt condensation with a disired benzaldehyde dericative. The product was analyzed by 1H-NMR.