

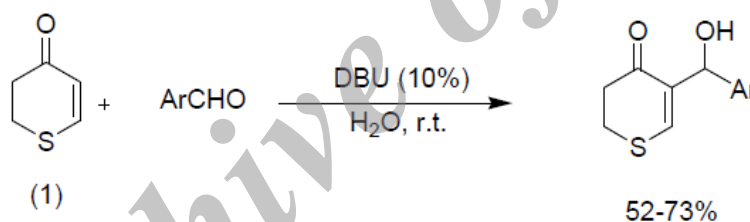
Baylis-Hillman Reaction of 2*H*-Thiopyran-4(3*H*)-one Using DBU as Organocatalyst in Aqueous Media

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Baylis-Hillman (BH) reaction have received significant attention due to their multiple applications in the synthesis of natural products [1], bioactive molecules [2], and various heterocyclic [3] and carbocyclic compounds [4] to produce simple C-C bond. It is also useful method as an atom-economic one-pot procedure. In continuation of our previous experience on various reactions of thiopyran-4-one (**1**) ring [5], we would like here to report Baylis-Hillman reaction of 2*H*-Thiopyran-4(3*H*)-one system by using catalytic amounts of DBU (1,8-Diazabicyclo[5.4.0]undec-7-ene) as an organocatalyst, under aqueous condition. Reactions proceeded in good to high yields at room temperature via a very inexpensive and environmentally benign procedure with a very straightforward and easy workup. The structure of the products is assigned based on their spectroscopic data.



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