

عنوان مقاله:

Analyzing the Effect of Hydrogen Shift on the Thiazine Derivatives

محل انتشار:

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خلاصه مقاله:

The present paper describes studies on the synthesis of the thiazine, and structurally related derivatives. First, we report a simple method for the preparation of thiohydantoin derivatives that can easily be scaled up in the laboratory. After that, a two-step reaction is described to synthesis and further analyzing the influence of hydrogen shift on the thiazine derivatives. The second step include a triplex reaction which lead to synthesis imidazo[2,1-b][1,3]thiazines in the presence of para toluene sulfonic acid as the catalyst. Moreover, resulting in a much more selective method than the previously reported procedures is the advantage of this method.

کلمات کلیدی:

Hydrogen shift, Para toluene sulfonic acid, Thiohydantoin, Thiazine, Heterocycles

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