

## عنوان مقاله:

One-pot multicomponent click synthesis of some novel 1,4-disubstituted-1H-1,2,3-triazoles from alkenes

## محل انتشار:

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## خلاصه مقاله:

A facile and one-pot multicomponent synthesis of novel 1,4-disubstituted-1H-1,2,3-triazoles from alkenes at room temperature is reported. At the first step, in the presence of I<sub>2</sub>/NaN<sub>3</sub> reagents, various alkenes were converted to the corresponding azido iodides and in the next step, the reaction of these compounds with phenylacetylene in the presence of catalytic amount of sodium ascorbate/ CuSO<sub>4</sub> afforded regioselective synthesis of 1,4-disubstituted-1H-1,2,3-triazoles in short times and at good to high yields. This green approach has several advantages such as short reaction times, clean reaction profiles, and simple experimental and workup procedures. All the products were fully characterized by <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and CHN analysis

## کلمات کلیدی:

Click chemistry, styrene, regioselective, sodium azide, triazole, azido iodination

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/931389>

