

Intermolecular allene-nitrone cycloadditions

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ABSTRACT

The intermol. cycloaddn. of HPh:N(O)Ph with excess $\text{H}_2\text{C:C:CH}_2$ in a sealed tube at $72^\circ/60$ h gave 23% pyrrolidinone I, 22% isoxazolidine II, and 31% benzazepinone III. I and III were formed by 1 regiochem. mode of cycloaddn. of HPh:N(O)Ph to $\text{H}_2\text{C:C:CH}_2$, while II was derived from the alternate mode. I was characterized by spectral properties, II, and III by spectral and chem. evidence.

