

Regio- and stereoselective addition of imides to ethyl 3-phenyl-2-propynoate in the presence of triphenylphosphine: single crystal X-ray structure of ethyl (*Z*)-2-(1,3-dioxo-1,3,3a,4,7,7a-hexahydro-2*H*-isoindol-2-yl)-3-phenyl-2-propenoate.

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Streszczenie

A one-pot synthesis of sterically congested N-vinyl imides in fairly high yields by the reaction of ethyl 3-phenyl-2-propynoate, imides and triphenylphosphine is reported. The structures of these compounds were confirmed by IR, ¹H, and ¹³C NMR spectroscopy, and by a single crystal X-ray structure determination. The structural analysis of the products indicated that the reaction is regio- and stereoselective.

Słowa kluczowe

Phosphorus Ylide, Ethyl 3-Phenyl-2-propynoate,
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