

The reaction of 2-ethoxy-3-phenylbenzo[d]-1,3, 2-oxazaphosphorin-6-one with α -ketocarboxylic acid esters: Synthesis of benzo[d]-1,3,2-oxazaphosphepine derivatives

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Abstract

The reactions of 2-ethoxy-3-phenylbenzo[d]-1,3,2-oxazaphosphorin-6-one with R-carboxylic acids ethyl esters (R = CF₃, Ph, and Me) lead to the formation of seven-membered heterocycles, 2-ethoxy-9-ethoxycarbonyl-2,8-dioxo-3-phenyl-9-R-benzo[d]-1,3,2-oxazaphosphepines. © 2013 Copyright Taylor and Francis Group, LLC.

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Keywords

oxazaphosphepine, Oxazaphosphorinone, phosphorane, regioselectivity, tetra-coordinated phosphorus, three-coordinated phosphorus