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## Reaction of 2-R-benzo[d]-1,3,2-oxazophosphorin-8-one with hexafluoroacetone. Synthesis and steric structure of 3-phenyl-9,9- bis(trifluoromethyl)-2-ethoxybenzo[-]-1,3,2-oxazaphosphepine-2,8-dione

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## Abstract

Reaction of hexafluoroacetone with 2-R-benzo[d]-1,3,2-oxazophosphorin-8- ones leads to the formation of seven-membered nitrogen-containing heterocycles, the derivatives of 3-phenyl-9-9-bis (trifluoromethyl)benzo[d]-1,3,2-oxaza- phosphepine-2,8-diones. Steric structure of 2,3-diphenyl-9,9-bis (trifluoromethyl)-benzo[d]-1,3,2-oxazaphosphepine-2,8-di-one was established by X-ray structural analysis. By hydrolysis of the phosphepines a functionally substituted fluorinated ketone, 2-hydroxy-1-(2´-phenylamino)phenyl-2- trifluoromethyl-3,3,-trifluoro)propan-1-one, was obtained. © 2008 MAIK Nauka.

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