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Synthesis and some properties of 2-(5-methyl-2-phenyl-2H-1,2,3-diazaphosphol-4-yl)-4H-benzo[d]-1,3,2-dioxaphosphorin-4-one

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Abstract

2-(5-Methyl-2-phenyl-2H-1,2,3-diazaphosphol-4-yl)-4H-benzo[d]-1,3,2-dioxaphosphorin-4-one 1 readily reacts with hexafluoroacetone, mesoxalic acid diethyl ester, trifluoropyruvic acid ethyl ester and chloral to give 2-(5-methyl-2-phenyl-2H-1,2,3-diazaphosphole-4-yl)-derivatives of 1,3,2- and 1,4,2-dioxaphosphepines. © 2013 Copyright Taylor and Francis Group, LLC.

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Keywords

benzodioxaphosphorin-4-one, bromination, chloral, Diazaphosphole, dioxaphosphepine, hexafluoroacetone, mesoxalic acid diethyl ester, trifluoropyruvic acid ethyl ester