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2-Alkoxy-4,4-bis(trifluoromethyl)-1,3,2λ 5-benzodioxaphosphepan-5-one 2-Oxides in the Synthesis of Substituted Fluorinated Ketones

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Abstract

Hydrolysis of 2-alkoxy-4,4-bis(trifluoromethyl)-1,3,2λ 5-benzodioxaphosphepan-5-one 2-oxides and their reaction with tris(trimethylsilyl) phosphite followed by hydrolysis were proposed for preparation of 3,3,3-trifluoro-2-hydroxy-1-(2-hydroxyphenyl)-2-trifluoromethylpropan-1-one and 3,3,3-trifluoro-1-(2-hydroxyphenyl)-2-trifluoromethylpropan-1-one, respectively.
