

New Synthesis of Diethyl Trimethylsilyl Phosphite

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Abstract—Diethyl phosphonate rapidly reacted with hexamethyldisilazane at 20°C in the presence of 52 mol % of zinc(II) chloride to give 76% of diethyl trimethylsilyl phosphite.

Keywords: diethyl phosphonate, hexamethyldisilazane, diethyl trimethylsilyl phosphite, catalysis, catalyst–reactant, zinc(II) chloride.

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