

Convenient Synthesis of Unesterified Acylphosphonic Acids

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Summary A general method for the synthesis of a new type of compounds, unesterified acylphosphonic acids, is described, involving reactions of tris(trimethylsilyl) phosphite with acyl chlorides followed by solvolysis of the products using aniline-containing alcohols.

REACTIONS of trialkyl phosphites with acyl halides giving dialkyl acylphosphonates (**1a**) are well known.¹ However, it has not been possible so far to convert esters of acylphosphonic acids into the corresponding unesterified acids (**1b**) except in the case of diethyl ethoxycarbonylphos-

