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Phosphorus, Sulfur, and Silicon and the Related Elements

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Erratum

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■ Erratum

In the paper “Studies on Reactions of Pyrimidine Compounds: Synthesis and Reactions of 5-Benzoyl-4,6-Diphenyl-1,2,3,4-Tetrahydro-2-Thioxopyrimidine” by Furgan Aslanoglu, Esvet Akbaş, Mehmet Sönmez and Barış Anıl in issue 182(7), pages 1589–1597, the introduction includes compounds (1a)–(1f) and (2). These should instead be listed as references. The corrected Introduction is below.

INTRODUCTION

Many condensed heterocyclic systems, particularly when substituted to a pyrimidine ring, play an important role as analgesic,^{1a} antipyretic,^{1b} antihypertensive,^{1c} and antiinflammatory drugs,^{1d} also as pesticides,^{1e} herbicides,^{1f} plant growth regulators, and organic calcium channel modulators.² Thus, pyrimidines have been subjected to a large variety of structural modifications in order to synthesize derivatives with different biological properties.

Various synthesis methods have been reported in the literature for the synthesis of pyrimidine derivatives.^{1–9} Most of them are based on the simple Biginelli^{2k} three-component cyclocondensation reaction. This very simple one-pot, acid-catalyzed cyclocondensation reaction of an β -diketone, arylaldehyde, and (thio)urea.

Herein, due to versatile biological properties of pyrimidine derivatives, we have reported synthesis of 5-benzoyl-4,6-diphenyl-1,2,3,4-tetrahydro-2-thioxopyrimidine¹⁰ (**1**), and its various derivatives via the general method of Biginelli cyclocondensation reaction in good yield.