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# Synthesis and Structure of Methyl 2-Amino-7-aryl-4-oxo-3*H*-pyrido[2,3-*d*]pyrimidine-5-carboxylates

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**Abstract**—Reaction of 2,4-diamino-6-hydroxypyrimidine with methyl 4-aryl-2,4-dioxobutanoates in acetic acid led to the formation of methyl 2-amino-7-aryl-4-oxo-3*H*-pyrido[2,3-*d*]pyrimidine-5-carboxylates. Structure of the obtained compounds was confirmed by single crystal X-ray analysis.

**Keywords:** 2,4-diamino-6-hydroxypyrimidine, methyl 4-aryl-2,4-dioxobutanoates, pyrido[2,3-*d*]pyrimidine

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