

Synthesis and Crystal Structure of Schiff Bases Based on AMTTO (AMTTO = 4-Amino-6-methyl-3-thio-3,4-dihydro-1,2,4-triazin- 5(2*H*)-one)

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Reaction of 4-amino-6-methyl-3-thio-3,4-dihydro-1,2,4-triazin-5(2*H*)-one (**1**) with 2-methoxybenzaldehyde, 4-methoxybenzaldehyde, 2-pyridinecarbaldehyde, and 2,4-dichlorobenzaldehyde under classical heating and microwave irradiation in a solventfree system led to the corresponding imines (Schiff bases) **2–5**. All synthesized compounds have been characterized by IR and NMR spectroscopy, mass spectrometry and by X-ray diffraction studies.

Key words: 1,2,4-Triazine, 1,2,4-Triazole, Schiff Base, Microwave Irradiation