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# Synthesis of Novel cyanopyridine Derivatives Containing s-Triazine via Chalcones and Evaluation of their Antimicrobial Activity

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**Abstract:** 6-(4-(4,6-diethoxy-1,3,5-triazin-2-ylamino)phenyl)-4-(substituted phenyl)-2-methoxypyridine-3-carbonitrile (**7a-7h**) have been synthesized by treatment of (E)-1-(4-(4,6-diethoxy-1,3,5-triazin-2-ylamino)phenyl)-3-(substituted phenyl)prop-2-en-1-one (**6a-6h**) chalcones. With malono nitrile and sodium methoxide in DMF. All the prepared compounds were evaluated for anti-fungal and anti-bacterial activity. Most of the compound showed potent activity.

**Keywords:** Cyanuric chloride, Malono Nitrile, Sodium Methoxide, Chalcones, Triazine, cyanopyridine.

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