

**SYNTHESIS, SPECTRAL AND BIOLOGICAL STUDIES OF SOME s-
TRIAZINE DERIVATIVES OF 1-(1-(4METHOXYPHENYL)ETHYL)
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Valsad-396001.**ABSTRACT**

With the help of some new synthetic protocols a series of s-triazine derivatives with aliphatic and aromatic urea along with 1-(1-(4-methoxyphenyl)ethyl)cyclohexanol is prepared. All the synthesized compounds of this series were characterized by spectral analysis using IR, and ¹H NMR spectroscopy. Biological activities were evaluated for the selected synthesized derivatives. Some of the compounds were found good active against different gram positive, gram negative or fungal stains.

KEYWORDS: aromatic urea, s-triazine, antimicrobial activity, cyanuric chloride, antifungal.

INTRODUCTION

S-triazine derivatives are of great interest among the researchers in medicinal chemistry. It is due to their vital role in many biological processes and synthetic drugs. The replacement of all three chlorine atoms in the molecule of cyanuric chloride by basic groups is greatly facilitated by the ring nitrogen atoms of the symmetrically built s-triazine moiety. These derivatives of s-triazine are reported as antimalarials^[1], anticancer agents^[2], anti-protozoals^[3], antimicrobials^[4], antitumour^[5], anti-inflammatory^[6], antibacterial^[7], antiviral^[8] and many more. Due to these diversified activities in the present work we have synthesized a series of s-triazine derivatives and the compounds were evaluated for their biological activities.