

Synthesis of 4', 6'-Bis-(2, 4-Dinitro-Aniline)-(2'-Aryl-Amine)-S-Triazine and Biological Activity Studies

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Abstract : The aromatic, six membered ring containing three nitrogen atoms are known as triazines. Three triazines are theoretically possible, 1,3,5-triazine, 1,2,4-triazine and 1,2,3-triazine[1]. The 1,3,5-triazines are amongst the oldest known organic compounds. Originally they were called the symmetric triazines. Usually abbreviated to s- or sys triazines. The numbering follows the usual convention of beginning at the hetero atom as shown for the parent compound 1,3,5-triazine (I). The triazine rings, each contain 6 pi electrons which fill three bonding molecular orbital there are also three pairs of non bonding electrons in each molecule which are responsible for basic properties of the compounds.

Keywords : s-triazine, thiazoline, isoxazoline, benzoxazine heterocyclic

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