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Screening of *in-vitro* Anti Mitotic Activity of Some Newly Synthesized s- Triazine Derivatives

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ABSTRACT

A variety of s- triazine derivatives- 4, 6-dichloro-N-(3-substituted phenyl)-1, 3, 5-triazin-2-amine derivatives (B1 to B6) and 4, 6-dichloro-N-(4-substituted phenyl)-1, 3, 5-triazin-2-amine derivatives (C1 to C6)- were prepared by reacting cyanuric chloride with amine substituted acetophenone and bromination of the ketone group followed by cyclization using urea/ thiourea/ thiosemicarbazole/ amino guanidine. HCl/ acetamide/ benzamide to prepare the respective derivatives. The structures of all the compounds were confirmed by spectral analysis. The possibility of using the germinating mung beans (Vigna radiata). Linn, for rapid and inexpensive and preliminary screening of drugs exhibiting cytotoxic properties has been recently reported. The newly synthesized compounds were evaluated for antimitotic activity and were found to have minimal activity compared to standard. All the compounds showed dose dependant activity.

Keywords: s- triazine, anti mitotic activity.
