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### “Invitro Anticancer Screening of Substituted 3-(Phenyl Sulfanyl)-5-(Pyridin-3-Yl)-4h-[1, 2, 4] Triazol-4-Amine Derivatives”

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**Abstract :** Heterocyclic nucleus played a vital role in the development of different medicinal agents and in the field of agrochemicals. This nucleus is present in many products such as drugs, vitamins, food, flavorings, plant dyes, adhesives and herbicides. It is seen from the current literature that pyridine congeners are associated with different biological properties like pesticide, insecticides and fungicidal activity. These reports encouraged us to plan for modification of 1, 2, 4-triazole into various bioactive structures and their subsequent evaluation for biological activity. In present investigation we have focused on synthesis and invitro study of anticancer activity.

**Keyword :** 1, 2, 4-triazole, MTT, 5-fluorouracil, invitro anticancer activity.

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