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### Patent Search

Invention Title	A NOVEL SYNTHESIS AND CHARACTERIZATION OF SOME NOVEL 1,2,4-TRIAZOLE DERIVATIVES AND ITS ANTICANCER ACTIVITY		
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**Abstract:**

The present invention related to a novel synthesis and characterization of some novel 1,2,4-triazole derivatives and its anticancer activity. More particularly present invent series of 1,2,4-triazole derivatives were synthesized by conventional and microwave assisted method and screened for anticancer activity. The time required for synthesis drastically reduced by the microwave assisted synthesis. The synthesis of a number of organic molecules is provided with a clean, simple, efficient, fast and economical to organic synthesis.

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**Complete Specification****Claims:Claims**

1. A novel synthesis and characterization of some novel 1,2,4-triazole derivatives and its anticancer activity comprises Synthesis of substituted 4-amino-5-phenyl-4H-1,2, triazole-3-thiol derivatives.
2. A novel synthesis and characterization of some novel 1,2,4-triazole derivatives and its anticancer activity according to claim 1 substituted 4-amino-5-phenyl-4H-1,2,4- triazole-3-thiol derivatives by microwave method.
3. A novel synthesis and characterization of some novel 1,2,4-triazole derivatives and its anticancer activity according to claim 1 determination of melting point, percenta yield, chromatographic detection and Polymorphism study of synthesized compounds with different solvents.
4. A novel synthesis and characterization of some novel 1,2,4-triazole derivatives and its anticancer activity according to claim 1 characterization of synthesized compour by IR, <sup>1</sup>H-NMR and Mass spectra and to perform the molecular docking study.
5. A novel synthesis and characterization of some novel 1,2,4-triazole derivatives and its anticancer activity according to claim 1 pharmacological screening of synthesize novel derivatives as anticancer activity. , Description:Detailed description of the Invention

Detailed descriptions of the preferred embodiment are provided herein. It is to be understood, however, that the present invention may be embodied in various forms. Therefore, specific details disclosed herein are not to be interpreted as limiting, but rather as a basis for the claims and as a representative basis for teaching one skilled the art to employ the present invention in virtually any appropriately detailed system, structure or manner.

All chemicals and solvents were purchased from commercial sources like Research laboratory, Mumbai and loba chemie purified by distillation wherever necessary, resid

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Government of India

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पेटेंट कार्यालय  
शासकीय जर्नल

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(57) Abstract :

The present invention related to a novel synthesis and characterization of some novel 1,2,4-triazole derivatives and it<sup>TM</sup>s anticancer activity. More particularly present invention new series of 1,2,4-triazole derivatives were synthesized by conventional and microwave assisted method and screened for anticancer activity. The time required for synthesis is drastically reduced by the microwave assisted synthesis. The synthesis of a number of organic molecules is provided with a clean, simple, efficient, fast and economical tool of organic synthesis.

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