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(57) Abstract :
Abstract The present invention relates generally to a Series of substituted thiadiazole derivatives were designed and synthesized by conventional method and microwave as a green chemistry method. Crystal structure of the gamma-secretase component Nicastrin (PDBCode-4R12) for anti-cancer activity were docked. Synthesized compounds were confirmed through spectral characterization using IR, NMR, MASS and XRD spectroscopy. Result indicated that these compounds showed promising anti-cancer activity.

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