



Synthesis and Pharmacological Study of Some Novel Thiazolidinones

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SUMMARY. A series of some novel thiazolidinones derivatives were synthesized and evaluated for their pharmacological activities. Thiazolidinones were synthesized from *p*-nitro aniline in four steps. First Schiff's bases (**V1-8**) were prepared by reacting the N⁴-(4-nitrophenyl) thiazole-2,4-diamine (**3**) of *p*-nitro aniline derivatives with different aromatic aldehydes. Cyclocondensation of the Schiff's bases with thioglycolic acid in presence of anhydrous zinc chloride resulted in the formation of the corresponding thiazolidinone (**VD1-8**) analogues. The structures of the newly synthesized compounds have been established on the basis of their spectral data. The synthesized selected compounds were evaluated for their anti-inflammatory and analgesic activity.

KEY WORDS: Analgesic, Anti-inflammatory activity, *p*-nitro aniline, Thiazolidinones.

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