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"Synthesis and Antihistaminic Activity of Some Novel Dinitrophenothiazine Derivatives"

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Abstract: Phenothiazine are one of the heterocyclic compounds with very important pharmacological activities. Phenothiazine is a benzo derivatives of thiazine now most commonly used as an intermediate chemical in the manufacturing of various psychiatric drugs.In this view there have been synthesized some novel dinitrophenothiazine derivatives from chloronitrobenzene derivatives and with nitroaromatic amine derivatives in presence of dimethylformamide with anhydrous potassium carbonate and copper powder. The product formed here than reacted with sulphur and iodine in presence of diphenylether. The newly formed dinitrophenothiazine derivatives showed better and marked antihistaminic activity.
Keywords: Dinitrophenothiazine, Dimethylformamide, Diphenylether, Antihistaminic activity.

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