Synthesis of Novel Combined Heterocyclic Systems Derived from 2-[(2-Methylquinolin-4-yl)sulfanyl]acetohydrazides Substituted in the Benzene Ring

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Abstract—New developments in the quinoline chemistry are considered, and previously unknown heterocyclic systems comprising of oxadiazole or dioxoisoindoline moieties combined with the quinoline core and and Schiff base residues are synthesized on the basis of 2-[(2-methylquinolin-4-yl)sulfanyl]acetohydrazides substituted in the benzene ring.

Keywords: quinoline, acetohydrazide, hydrazine hydrate, carbohydrazide, Schiff bases, dioxoisoindoline, carbon disulfide, oxadiazole, phthalic anhydride, substituted benzaldehyde

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